Dulux DuSpec Project Specification

Rockpool Pelican Waters

Project Id: 64188

Prepared By: Damien Morrison
0408 284 384

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Project Specification

Background	
Site Address:	Pelican Waters QLD
Commencement Date:	

Client Details			
Client Name:	Phillip Todd	**Client Organisation:**	GJG Architects
Phone:	07 5520 1134	**Address:**	2/13 Twenty Seventh Ave Palm Beach QLD 4221
Email:	phillip@gjgarchitects.com.au	**ABN:**	

Contacts		
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Project Description
Rockpool Pelican Waters - NEW Aged-Care Facility

Painting Schedule

Area / Item	Colour	Specification			Version
NEW EXT: Carpark Line Marking					
Concrete	As Per Schedule	AUSI1736	Dulux Roadmaster WB2 Road Marking on New Concrete flooring/paths [Interior/Exterior]		3.0
		1st Coat	AUDI1152	Dulux Roadmaster WB2 Road Marking	6.0
NEW EXT: Door Frames					
Mild Steel	As Per Schedule	AU_SD07570	Dulux Aquanamel Gloss / over Luxaprime ZP for on New Ferrous Metal/Steel (Commercial) [Interior/Exterior]		8.0
		1st Coat	AUDI1136	Dulux Luxaprime Zinc Phosphate Primer	5.0
		2nd Coat	AUDD1282	Dulux Aquanamel Gloss	32.0
		3rd Coat	AUDD1282	Dulux Aquanamel Gloss	32.0
NEW EXT: Doors					
Timber	As Per Schedule	AU_SD08455	Dulux Aquanamel Gloss on New Timber [Interior/Exterior]		14.0
		Prep Coat	AUDD1169	Dulux Professional Total Prep	21.0
		2nd Coat	AUDD1282	Dulux Aquanamel Gloss	32.0
		3rd Coat	AUDD1282	Dulux Aquanamel Gloss	32.0
NEW EXT: Downpipes					
PVC	As Per Schedule	AUSD4916	Dulux Weathershield Low Sheen on New PVC [Exterior]		25.0
		Primer	AU_DD02066	Dulux Precision Maximum Strength Adhesion Primer	7.0
		1st Coat	AUDD0053	Dulux Weathershield Low Sheen	40.0
		2nd Coat	AUDD0053	Dulux Weathershield Low Sheen	40.0
NEW EXT: Fences, Balustrades, Batten Screens and Pergolas					
Aluminium	As Per Schedule	AU_SP15643	Dulux Powder Coatings Duratec Zeus® Solid Colour Range / C1-C5 Corrosivity Zone / Sheet and Extruded on New Aluminium [Interior/Exterior]		20.0
		1st Coat	AU_DP02815	Dulux Powder Coatings Duratec Zeus® Solid Colour Range	1.0
NEW EXT: Soffits					
Concrete	As Per Schedule	AU_SA16078	Dulux AcraTex AcraShield Advance / Dulux AcraTex 950 Roll On 00 / Green Render Sealer (for Soffits) on New Concrete (Off Form, Tilt Up, Pre Cast) [Exterior]		9.0
		1st Coat	AUDA1582	Dulux AcraTex Green Render Sealer	17.0
		2nd Coat	AUDA0451	Dulux AcraTex 950 Roll On 00 Fine Texture Roller Finish	16.0
		3rd Coat	AUDA0432	Dulux AcraTex AcraShield Advance	37.0
FC	As Per Schedule	AU_SD16347	Dulux Weathershield Low Sheen on New Fibre Cement Sheet (FC) [Exterior]		4.0
		Primer	AUDD1169	Dulux Professional Total Prep	21.0
		1st Coat	AUDD0053	Dulux Weathershield Low Sheen	40.0
		2nd Coat	AUDD0053	Dulux Weathershield Low Sheen	40.0
NEW EXT: Spandrels in Curtain Walls					

Aluminium	As Per Schedule	AU_SP15643	Dulux Powder Coatings Duratec Zeus® Solid Colour Range / C1-C5 Corrosivity Zone / Sheet and Extruded on New Aluminium [Interior/Exterior]		20.0
		1st Coat	AU_DP02815	Dulux Powder Coatings Duratec Zeus® Solid Colour Range	1.0
NEW EXT: Walls					
Blockwork	As Per Schedule	AUSA5507	Dulux AcraTex AcraShield Advance / Dulux AcraTex Renderwall Float Finish on New Brick/Blockwork [Exterior]		33.0
		Prep Coat	AU_DA02854	Dulux AcraTex RenderWall AcraBuild	3.0
		1st Coat	AUDA1582	Dulux AcraTex Green Render Sealer	17.0
		2nd Coat	AUDA0432	Dulux AcraTex AcraShield Advance	37.0
		3rd Coat	AUDA0432	Dulux AcraTex AcraShield Advance	37.0
NEW EXT: Walls & Columns					
Concrete	As Per Schedule	AU_SA06566	Dulux AcraTex AcraShield Advance / Green Render Sealer / RenderWall on on New Concrete (Off Form, Tilt Up, Pre Cast) [Exterior]		32.0
		Prep Coat	AU_DA02689	Dulux AcraTex BondFree Concentrate	9.0
		Intermediate	AU_DA02854	Dulux AcraTex RenderWall AcraBuild	3.0
		Intermediate	AU_DA02854	Dulux AcraTex RenderWall AcraBuild	3.0
		1st Coat	AUDA1582	Dulux AcraTex Green Render Sealer	17.0
		2nd Coat	AUDA0432	Dulux AcraTex AcraShield Advance	37.0
		3rd Coat	AUDA0432	Dulux AcraTex AcraShield Advance	37.0
NEW EXT: Windows & Sunhoods					
Aluminium	As Per Schedule	AU_SP15643	Dulux Powder Coatings Duratec Zeus® Solid Colour Range / C1-C5 Corrosivity Zone / Sheet and Extruded on New Aluminium [Interior/Exterior]		20.0
		1st Coat	AU_DP02815	Dulux Powder Coatings Duratec Zeus® Solid Colour Range	1.0
NEW INT: Architraves, Skirtings & Trims					
Timber	As Per Schedule	AU_SD17090	Dulux EnvirO2 Water Based Enamel Semi Gloss /Low VOC Enamel Semi Gloss on New Timber [Interior]		5.0
		Primer	AU_DD02479	Dulux 1 Step Prep	6.0
		1st Coat	AU_DD02769	Dulux EnvirO2 Water Based Enamel Semi Gloss	1.0
		2nd Coat	AU_DD02769	Dulux EnvirO2 Water Based Enamel Semi Gloss	1.0
NEW INT: Ceilings					
Plasterboard	As Per Schedule	AU_SD17091	Dulux Enviro2 Interior Tintable Ceiling Flat on New Plasterboard [Interior]		2.0
		Primer	AU_DD02680	Dulux Enviro2 Interior Acrylic Sealer Undercoat	2.0
		1st Coat	AU_DD02682	Dulux Enviro2 Interior Tintable Ceiling Flat	1.0
		2nd Coat	AU_DD02682	Dulux Enviro2 Interior Tintable Ceiling Flat	1.0
NEW INT: Ceilings - Kitchen, Servery BOH, Cafe BOH					

MR Plasterboard	As Per Schedule	AU_SD18222	Dulux EnvirO2 Water Based Enamel Semi Gloss on New Moisture Resistant Plasterboard (MRP) [Interior]		1.0
		Primer	AU_DD02680	Dulux Enviro2 Interior Acrylic Sealer Undercoat	2.0
		1st Coat	AU_DD02769	Dulux EnvirO2 Water Based Enamel Semi Gloss	1.0
		2nd Coat	AU_DD02769	Dulux EnvirO2 Water Based Enamel Semi Gloss	1.0
NEW INT: Door Frames					
Pressed Metal	As Per Schedule	AU_SD17397	Dulux EnvirO2 Water Based Enamel Semi Gloss on New Zinc Coated Steel/Galvanised Steel (Commercial) [Interior]		1.0
		Primer	AU_DD02066	Dulux Precision Maximum Strength Adhesion Primer	7.0
		1st Coat	AU_DD02769	Dulux EnvirO2 Water Based Enamel Semi Gloss	1.0
		2nd Coat	AU_DD02769	Dulux EnvirO2 Water Based Enamel Semi Gloss	1.0
NEW INT: Doors					
Timber	As Per Schedule	AU_SD17090	Dulux EnvirO2 Water Based Enamel Semi Gloss /Low VOC Enamel Semi Gloss on New Timber [Interior]		5.0
		Primer	AU_DD02479	Dulux 1 Step Prep	6.0
		1st Coat	AU_DD02769	Dulux EnvirO2 Water Based Enamel Semi Gloss	1.0
		2nd Coat	AU_DD02769	Dulux EnvirO2 Water Based Enamel Semi Gloss	1.0
NEW INT: Doors - Clear Finish					
Timber	As Per Schedule	AUSW4749	Cabot's Cabothane Clear Water Based Satin on New Timber [Interior]		11.0
		1st Coat	AUDW1645	Cabot's Cabothane Clear Water Based Satin	7.0
		2nd Coat	AUDW1645	Cabot's Cabothane Clear Water Based Satin	7.0
		3rd Coat	AUDW1645	Cabot's Cabothane Clear Water Based Satin	7.0
NEW INT: Walls					
Plasterboard	As Per Schedule	AU_SD17086	Dulux Enviro2 Interior Low Sheen on New Plasterboard [Interior]		3.0
		Primer	AU_DD02680	Dulux Enviro2 Interior Acrylic Sealer Undercoat	2.0
		1st Coat	AU_DD02681	Dulux Enviro2 Interior Low Sheen	2.0
		2nd Coat	AU_DD02681	Dulux Enviro2 Interior Low Sheen	2.0
NEW INT: Walls - Wet Areas					
MR Plasterboard	As Per Schedule	AU_SD09925	Dulux Enviro2 Interior Low Sheen on New Moisture Resistant Plasterboard (MRP) [Interior]		9.0
		Prep Coat	AU_DD02680	Dulux Enviro2 Interior Acrylic Sealer Undercoat	2.0
		1st Coat	AU_DD02681	Dulux Enviro2 Interior Low Sheen	2.0
		2nd Coat	AU_DD02681	Dulux Enviro2 Interior Low Sheen	2.0

Legals

SPECIFICATION

1. INTRODUCTION

In this Specification:
"Applicator" means the person applying the product.
"Contractor" means the person(s) to whom the Applicator is contracted to for the application of the product.
"DuluxGroup" means DuluxGroup (Australia) Pty Ltd.
"DuluxGroup Products" means the DuluxGroup products specified in Schedule A.
"Project" means the building or other construction specified in Schedule A.
"Specification" means this specification and all schedules to it.
"Superintendent" means a nominated representative of Contractor.

All DuluxGroup products must be treated and applied strictly in accordance with the instructions and procedures set out in this Specification.

2. GENERAL

DuluxGroup Products must only be applied in accordance with this Specification. Unless otherwise specified or approved, all materials used in the Project must be DuluxGroup Products as nominated in Schedule A. All DuluxGroup Products must be delivered to the job in unbroken containers bearing the brand name and name of the manufacturer and must be subject to inspection and approval by the Superintendent.

This Specification shall remain current for a period of 6 months commencing on the date it is provided by DuluxGroup to the Contractor.

Various Australian Standards and New Zealand Standards may be referred to in this specification. Where referred to in this document, these standards and any relevant DuluxGroup Specification Sheets, Product Data Sheets and Material Safety Data Sheets form part of this Specification.

3. CONTRACTOR'S RESPONSIBILITIES

The Contractor must:

- **a.** ensure that the Applicator implements the appropriate quality assurance system for the preparation, application of DuluxGroup Products, curing, handling, storage and protection of components of DuluxGroup Products. Such quality assurance system shall comply as a minimum with Handbook 90.3 of The Construction Industry Guide to AS/NZS ISO 9001:2000;
- **b.** ensure that he and anyone else using or relying on the Specification has read and understood the Specification fully. If there is any conflict or discrepancy between these Conditions of Specification and the Schedules to the Specification, the Schedules will prevail;
- **c.** carry out examination of the work of the Applicator. Hold points for inspection must be established between the Contractor's inspector and the Applicator before commencing work. The inspector will refer to this Specification and the Applicator's AS/NZS3894 records as the basis for inspection. Personnel authorised by DuluxGroup must be permitted to inspect such records upon request;
- **d.** ensure that personnel authorised by DuluxGroup have access to the site at all reasonable times as required by DuluxGroup and upon reasonable notice to the Contractor to inspect the place(s) of application of DuluxGroup Products from time to time. Such inspections will not be deemed to be acceptance by DuluxGroup of the standard of the Applicator's workmanship, performance or quality control procedures or of compliance with any product specifications or of the terms of this Specification; and
- **e.** ensure that safe work practices are adopted at all times in respect of the Project in accordance with all applicable legislation, including, without limitation, AS/NZS1336, AS/NZS1337, AS/NZS1338, AS/NZS1715, AS/NZS1716, AS1269, AS1270 and AS2865.

4. APPLICATOR'S RESPONSIBILITIES

The Applicator must:

- **a.** ensure that he and anyone else using or relying on the Specification has read and understood the Specification fully. If there is any conflict or discrepancy between these Conditions of Specification and the Schedules to the Specification, the Schedules will prevail;
- **b.** prepare and neatly maintain proper records as required by the Specification and upon completion of the Applicator's work or at such time as may be directed by the Superintendent, must hand over the files containing such records to the Superintendent;
- **c.** ensure all DuluxGroup Products to be used on the Project are stored in a single place and in a manner outlined in the relevant DuluxGroup Data Sheet (Refer Schedule C);
- **d.** ensure all DuluxGroup Products with limited shelf life are used before their use-by date;
- **e.** obtain all relevant Material Safety Data Sheets (MSDS) showing the health and safety precautions to be taken during application of DuluxGroup Products and implement those precautions;
- **f.** prepare surfaces according to requirements of individual Specification Sheets and Product Data Sheets as set out under Schedules A, B & C;
- **g.** ensure all DuluxGroup Products are applied properly in accordance with the preparation, application, testing and other requirements set out in Schedules A, B and C or otherwise notified by DuluxGroup from time to time including, without limitation, ensuring that all DuluxGroup Products are applied so as to produce a uniform coating free from film defects;
- **h.** correct, to the satisfaction of the Superintendent or his authorised inspector and at the Applicator's expense, any work deemed by the Superintendent or his authorised inspector as not conforming to this Specification;
- **i.** ensure all control joints are sealed after the coating system has been applied. If the joints are sealed/filled first, the coating shall not be applied over such sealed surfaces;
- **j.** ensure consistent colour coverage. Adequate stocks of material should be delivered to site to complete a single elevation or specified area at one time. External durability of colour will be assessed as per AS2700. Various colours may not have warrantable external performance therefore the proposed Colour Schedule should be referred to DuluxGroup prior to application;
- **k.** ensure that, unless otherwise nominated in the Product Data Sheets, DuluxGroup Products are not applied to damp or wet surfaces, nor in conditions below 10 degrees Celsius, nor when the temperature will fall below 10 degrees Celsius during the drying period, nor when the surface temperature is within 3 degrees Celsius of the dew point, nor when the surface temperature exceeds 30 degrees Celsius nor when there is a high degree of airborne dust in the atmosphere;
- **l.** provide adequate protection to the coating against damage and exposure until fully cured. All portions of the work liable to be damaged are to be properly covered unless otherwise approved by DuluxGroup;
- **m.** provide protection by masking all surfaces adjacent to the area being coated and removing this protection upon completion of the application. The Applicator is

responsible for any loss or damage which may be caused to the property while the work is being carried out. The Applicator must provide and lay adequate dust sheets and protect floors and other surfaces, remove all surface hardware, switch plates, lighting fixtures, etc... before painting and replace in condition as found. DuluxGroup Products must not be applied in the presence of dust;

n. upon completion, remove all empty cans or other debris arising out of his work and dispose of all waste in accordance with regulations;

o. carry out any special mixing requirements, such as the correct selection and use of the nominated thinners and solvents or allowing an induction period for 2 pack products, as nominated in the Product Data Sheets;

p. inspect the substrata and ensure it is fit to receive the specified DuluxGroup Products, produce the specified finish and comply with the relevant documents and standards which specify minimum standards of substrata preparation and their tolerances. These include but are not restricted to the following:
AS/NZS2311: The Painting of Buildings
Section 2 - Design for Painting
Section 3 - Preparation of Unpainted Surfaces
Section 7 - Maintenance of Painted Surfaces
AS/NZS2312: Guide to the Protection of Iron and Steel Against Exterior Atmospheric Corrosion.
Commencement of application of the coating to the substrata shall be deemed to mean that the Applicator has certified that the surface is fit for the receipt of the specified products. It is the responsibility of the Applicator at the time of preparing the sample reference area (see below) to advise the Superintendent if the substrata condition and preparation is not of sufficient standard to produce the specified finish;

q. provide sample areas, panels or plates of each of the coating systems. The areas must be large enough to show clearly the finish that will be achieved in terms of colour, gloss level and texture. The prepared samples will then be used as the standard for the work. Provision in all costing must be made to cover the cost of sample preparation. Sample areas must be approved before further work proceeds;

r. prepare and neatly maintain proper records, in accordance with AS/NZS3894, AS/NZS2311 & AS/NZS2312, showing details of application conditions and product use, and upon completion of the Applicator's work or at such other time as may be directed by the Superintendent, the Applicator shall hand over the files containing such records to the Superintendent. These records should include but not be limited to, application conditions, batch numbers and application data;

s. ensure that personnel authorised by DuluxGroup and the Contractor have access to the site at all reasonable times as required by DuluxGroup and upon reasonable notice to inspect the place(s) of application of DuluxGroup Products from time to time. Such inspections will not be deemed to be acceptance by DuluxGroup of the standard of the Applicator's workmanship, performance or quality control procedures or of compliance with any product specifications or of the terms of this Specification. The Applicator is responsible for advising the Superintendent's inspector in sufficient time to enable him to be present without unnecessary delay or hindrance to the progress of work. The absence of the Inspector does not absolve the Applicator from carrying out the task in a workmanlike manner; and

t. ensure that safe work practices are adopted at all times in respect of the Project in accordance with all applicable legislation, including, without limitation, AS/NZS1336, AS/NZS1337, AS/NZS1338, AS/NZS1715, AS/NZS1716, AS1269, AS1270 and AS2865.

5. DISCLAIMER

Any advice, recommendation, information, assistance or service provided by any of the divisions of DuluxGroup (Australia) Pty Ltd, DuluxGroup (New Zealand) Pty Ltd or their related entities (collectively, DuluxGroup) in relation to goods manufactured by it or their use and application is given in good faith and is believed by DuluxGroup to be appropriate and reliable. However, any advice, recommendation, information, assistance or service provided by DuluxGroup is provided without liability or responsibility PROVIDED THAT the foregoing shall not exclude, limit, restrict or modify the right entitlements and remedies conferred upon any person or the liabilities imposed upon DuluxGroup by any condition or warranty implied by Commonwealth, State or Territory Act or ordinance void or prohibiting such exclusion limitation or modification. All information contained in this specification is as accurate and up to date as possible. Coating/product systems can be expected to perform as indicated in this specification, as long as preparation, applications and application procedures are followed as recommended on the appropriate Product data Sheet or otherwise. Should a "Performance Warranty" be required on this project, DuluxGroup must be contacted prior to finalisation of the Specification and at least one week before the commencement of work on the Project.

6. MATERIALS WARRANTY

DuluxGroup warrants to its customer that the DuluxGroup Products supplied as components of the product system(s) detailed in this Specification are of merchantable quality and fit for the purpose for which they are supplied when applied in accordance with the instructions for use. This warranty is limited and excludes all labour and other charges. To make a claim under the warranty, please contact Dulux Customer Service AUST 13 25 25, NZ 0800 800 424 and provide details of your claim. You must show proof of purchase and bear all expenses incurred in making a claim. The benefits of this warranty are in addition to other rights and remedies under any applicable law. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Individual materials warranties for specifications are available upon request from DuluxGroup.

Dated: _____

Signed: _____

Name: _____

On behalf of DuluxGroup

Applicators Confirmation

The Applicator hereby confirms that the coating systems were applied to the Project in strict accordance with the instructions provided by or available from DuluxGroup including this Specification, and that the Applicator will be responsible for any loss or damage caused or contributed to by faulty application.

Signed: _____

Name: _____

On behalf of Applicator

Dulux DuSpec Specification Sheet

Dulux AcraTex AcraShield Advance / Green Render Sealer / RenderWall on on New Concrete (Off Form, Tilt Up, Pre Cast) [Exterior]

AU_SA06566

Scope Of Works

Premium High Build Levelling and Finishing System for new Concrete.
Incorporating:
AcraTex RenderWall a Cementitious Render to level irregularities and produces a high quality even surface for absorbent masonry substrates applied as a Tie coat then levelling coat.

AcraTex Green Render Sealer deigned to reduce the normal site mixed cement render "28 day /Bagged Render 7-10 days wait cycle"
- Green Render Sealer can be applied over 2 day old cement render providing moisture content has stabilised.

AcraTex AcraShield, weather-proofing topcoat, applied by conventional NAP roller to provide a paint like appearance with excellent water impermeability, resistance to mould and mildew, mid build crack bridging performance for long term protection of cement render substrates.

Substrate And Substrate Preparation

Substrate Notes:	CONCRETE (Off Form, Tilt Up, Pre Cast) SUBSTRATE DESCRIPTION OFF FORM CONCRETE Off form Concrete is produced by placing suitable forms and shoring to hold the wet concrete into the required shape. Reinforcements are placed within or on the formwork to give concrete its strength. Once the formwork and shoring are removed the result is the off form concrete. TILT UP Tilt Up concrete is derived simply from the method of construction, wall panels are cast on a horizontal surface that then require lifting, and tilting vertically into their final position. Construction is commenced with the laying of the structures foundation and floor slab, wall panels are then cast on the floor one on top of each other in a stack arrangement. PRE CAST Pre Cast concrete are concrete panels that are cast on horizontal vibrating beds that are then cured in racks that are delivered to site that then require lifting, and positioned into their final position.
Substrate Preparation Notes:	PCO018 - OFF FORM, TILT UP, PRE CAST ASSESS SUITABILITY Concrete substrates need to be fully cured for a minimum of 28 days before coating as per AS 2311 Painting of Buildings (Current Edition). Off Form Concrete should be installed as per AS3610 Control of Concrete Surface Formwork (current edition) and AS 3850.2 Tilt Up Concrete & Pre Cast Elements for use in Buildings (current edition) REMOVE CONTAMINANTS Remove grease, form oils and release agents. Treat mould or moss with a suitable mould treatment. Remove shiny surfaces by mechanical abrasion. Embedded steel fragments such as nails, chair legs, tie wires or spacing bars lying on or very close the surface should be removed (and the surface made flush with AcraPatch Coarse or similar) or cleaned and coated with epoxy mastic to prevent rust stains and premature coating system failure. CLEAN Clean the surface thoroughly by water blasting or detergent cleaning, where a commercial cleaner is added to hot or cold water and surface is washed / scrubbed thoroughly with a stiff bristle broom and then rinsed clean with fresh water. This may need to be repeated on extremely dirty surfaces to ensure removal. Ensure that the surface is dry, clean and free from dust. Check for the presence of Release Agents and Bond Breakers by simply splashing water onto the substrate, if water beads on the surface then total removal is mandatory. Where doubt exists always refer to the manufacturer of the Release Agent or Bond Breaker on their recommended practice of removal. The use of proprietary Tiltwash/BondFree is recommended for the removal of Bond Breakers and Release Agents, a water test should be exercised after the use of TiltWash/BondFree to check for any residual presence of Bond Breakers and Release agents. REPAIR SURFACE IMPERFECTIONS Cracks and flaws should be filled with a suitable patching compound with the addition of 10 20% fresh Portland cement to match the existing surface. Blowholes and pinholes present can be filled with Acra-Patch 500/1 fine or coarse 500/2 depending on size. Prime over any patched sections. Structural control or expansion joints should be filled with flexible paintable polyurethane mastic. CHECK MOISTURE Ensure concrete moisture content is less than 10% as measured with a standard moisture meter. The coastal area is considered a marine environment and as such salt potentially can shorten the life of the coating systems. Care needs to be taken to wash down all areas twice. Once to remove surface contaminants, and raise salts to the surface and then secondly to remove these salts. Due to the locality, Weather conditions and lag time between application of the coating system it may require the need to wash again, between coats.
Additional Notes:	CEMENT RENDERS PRODUCE FINE CRACKS DURING DRYING AND CONTINUE TO CRACK & MOVE WITH VARIATIONS IN TEMPERATURE. FOR ENHANCED PERFORMANCE USE A HIGH BUILD ELASTOMERIC (FLEXIBLE) COATING. DULUX RECOMMENDS THE USE OF DULUX 955 AcraShield, 968 Elastomeric 201 or 968 AcraSkin

Coating System

Coat Type:	Prep Coat	Datasheet:	AU_DA02689 Dulux AcraTex BondFree Concentrate

Application Methods:

Airless Spray Other

For application via Airless spray, Garden/ backpack Pressure Atomiser (dilute 1 part concentrate with 5 parts water),
Recommended Method of application is via a High Pressure Water Blaster suction feed (use undiluted) using a Long Distance Jet Nozzle
Note for Water Blasters without a suction feed use an Adjustable Detergent Injector

	Min	Max	Recommended
Theoretical Spread Rate *	7	7	7
Wet Film Per Coat (microns)	0	0	0
Dry Film Per Coat (microns)	0	0	0

Coating Application Details:

A sample should be trialed first then checked for the presence of bondbreaker.
Suitable substrates: Barrier Type Form Release Agent treated Tilt Up/ Off Form Concrete/ Pre Cast Concrete
APPLICATION PROCEDURE AND EQUIPMENT

Product should be thoroughly mixed before use. Commence application, working from bottom of panel upward.
Apply using an airless spray unit (eg Graco 695 with a .0015 - .0019 tip at 1000 psi) or a low pressure knapsack spray unit.

Large panels should be articulated into manageable work areas, always maintaining a wet edge ensuring rinsing of Bondfree is actioned prior to the area drying.
If BondFree dries, re-apply BondFree to the affected area and rinse thoroughly.

Flood the area with an excess of material with a heavy spray rather than a thin jet or light mist. This will produce a foaming wave of excess material descending down the panel.

As BondFree is applied the panel should take on a darkened appearance. Should this not happen, apply a second coat of BondFree and consult with Dulux AcraTex if the panel does not darken (excessively applied water based bondbreaker may be the cause).
NOTES:
1. Chemical goggles, gloves and a mask should be worn at all times whilst pouring and applying BondFree.
2. Application of BondFree should be with an airless spray unit or low pressure knapsack spray only.
3. Application of BondFree on large panels is a 2-man procedure, one to apply BondFree the other rinsing with water.
Never allow BondFree to dry before rinsing.

RINSING BONDFREE
Rinse panel with a flood of water (heavy spray not jet) deluging panel from top to bottom.
Ensure extra care is taken whilst rinsing to ledges, sills and all fixtures on panels.
A second rinse should be performed whilst panel is still wet from initial rinse. This is to make sure all remnants of Bond-Breaker and BondFree are removed.
This product should not be released into any watercourses, drains or gutters neat or diluted and should be contained and disposed of under local waste management procedures. An environmental duty of care must be executed at all times whilst using this product.
NOTES:

1. Do not wait until BondFree is drying on panel before rinsing.
Rinsing must occur whilst BondFree is still wet and active to remove all traces of bond-Breaker and BondFree.
2. Water pressure should be at least 80 psi or 28 kpa.
3. A second rinse is imperative to the performance of BondFree.

At Commencement of coating system application to the substrate it shall be deemed that the Applicator has certified that the surface which it is to be applied to is fit to receive the specified coating(s) system.
When the Applicator is preparing the site sample for approval he should advise the Project Superintendent if the substrate condition is not of sufficient standard to produce the specified finish.

PRIOR TO FULL COATING APPLICATION TEST SITE SAMPLE

Cross- hatch adhesion and pH tests must be performed as per Australian Standard AS2311-Painting Buildings and AS1580-Methods of Testing Adhesion (current editions) prior to commencing full-scale works.
pH readings must be below 10 before coatings can be applied.

Coat Type:	Intermediate	Datasheet:	AU_DA02854 Dulux AcraTex RenderWall AcraBuild
Application Methods:	Trowel, Hopper Gun, Other Render Pump/ Notched Trowel		

	Min	Max	Recommended
Theoretical Spread Rate *	0.6	0.3	0.6
Wet Film Per Coat (microns)	2000	4000	2000
Dry Film Per Coat (microns)	2000	4000	2000
Recoat Time **	7-10days	Indefinite	

Coating Application Details:

DASH / TIE COAT
With the addition of DULUX AcraTex 500/4 AcraBond to DULUX AcraTex Renderwall

Product usage Scaling factor = 1.7 kg (dry powder) per sqm per 1mm thick
(eg. a 6mm thick application requires (6 x 1.7) = 10.2 kg per sqm of Renderwall powder)
DULUX AcraTex Renderwall can be applied by traditional Hawk & Trowel method or via Render Pump in single application from 4-6mm or up to 10mm thick in multiple applications.

MIXING
The water-liquid (gauging liquid) component should be first measured into suitable containers or mixing devices and the powder slowly incorporated during agitation.

Approximate gauging liquid consumption is 3 - 4 Litres to a 20kg bag.
The DASH COAT applications requires the addition of 500/4 AcraBond to fresh clean water to make up the gauging liquid.
2 - 4 mm thick renders: 1 parts 500/4 AcraBond to 1 parts water

Apply as a DASH or TIE COAT to a minimum 80% cover

Additional Coating Details:

Apply as a DASH or TIE COAT to a minimum 80% cover

Coat Type:	Intermediate	Datasheet:	AU_DA02854 Dulux AcraTex RenderWall AcraBuild
Application Methods:	Trowel, Other Render Pump		

	Min	Max	Recommended
Theoretical Spread Rate *	0.3	0.2	0.2
Wet Film Per Coat (microns)	4000	6000	6000
Dry Film Per Coat (microns)	4000	6000	6000
Recoat Time **	7-10days	Indefinite	

Coating Application Details:

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With the addition of DULUX AcraTex 500/4 AcraBond to DULUX AcraTex Renderwall in accordance with recomendations, the recoat time will be 7 days.

Product usage Scaling factor = 1.7 kg (dry powder) per sqm per 1mm thick
(eg. a 6mm thick application requires (6 x 1.7) = 10.2 kg per sqm of Renderwall powder)
DULUX AcraTex RenderWall Acrabuild can be applied by traditional Hawk & Trowel method or via Render Pump in single application from 4-6mm or up to 12mm thick in multiple applications.

MIXING
The water-liquid (gauging liquid) component should be first measured into suitable containers or mixing devices and the powder slowly incorporated during agitation.

Mix Ratio (approx. 15L mixed Dulux AcraTex RenderWall Acrabuild
¦ 20kg (1 full bag) of Dulux AcraTex RenderWall Acrabuild Plus
¦ Approx 3.5 litres of fresh clean water Refer to SAFETY for handling instructions
¦ Measure the water component into a 15L pail and add the powder while mixing with a suitable power Mixing Drill
¦ Allow to stand for 3-5 minutes
¦ Remix and adjust consistency with up to 0.5L additional water (once) relative to application requirement

Renders beyond this thickness do not require the addition of AcraBond, providing the ambient temperature is not too high that it will cause rapid moisture loss & drying. In such conditions wetting or tempering of the freshly applied RenderWall is recommended.

Coat Type:	1st Coat	Datasheet:	AUDA1582 Dulux AcraTex Green Render Sealer
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *	8	8	8
Wet Film Per Coat (microns)	125	125	125
Dry Film Per Coat (microns)	43.75	43.75	43.75
Recoat Time **	2 hrs	indefinite	

Coating Application Details:

Brush, roller and airless spray
Brush and roll at the same time to avoid picture framing.
Product should be thoroughly mixed before use. Refer to the DULUX AcraTex Application Manual for detailed instructions.
A 10-20mm nap roller is used depending on the type of surface profile being overcoated.
Typical Airless Spray set up is: Graco Ultra 500 using 0.017-0.019 spray tip at approx. 1000 psi.

Coat Type:	2nd Coat	Datasheet:	AUDA0432 Dulux AcraTex AcraShield Advance
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *	6	4.5	6
Wet Film Per Coat (microns)	167	222	167
Dry Film Per Coat (microns)	75	100	75
Recoat Time **	2 Hours	indefinite	

Coating Application Details:

Brush, roller and airless spray
Brush and roll at the same time to avoid picture framing.
Product should be thoroughly mixed before use. Refer to the DULUX AcraTex Application Manual for detailed instructions.
DULUX AcraTex AcraShield may be applied by brush, roller or airless spray.
A 10-20mm nap roller is used depending on the type of texture being overcoated.
Typical Airless Spray set up is: Graco Ultra 500 using 0.019-0.021 spray tip at approx. 1000 psi.

Coat Type:	3rd Coat	Datasheet:	AUDA0432 Dulux AcraTex AcraShield Advance
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *	6	4.5	6
Wet Film Per Coat (microns)	167	222	167
Dry Film Per Coat (microns)	75	100	75
Recoat Time **	2 Hours	indefinite	

Coating Application Details:

Brush, roller and airless spray
Brush and roll at the same time to avoid picture framing.
Product should be thoroughly mixed before use. Refer to the DULUX AcraTex Application Manual for detailed instructions.
DULUX AcraTex AcraShield may be applied by brush, roller or airless spray.
A 10-20mm nap roller is used depending on the type of texture being overcoated.
Typical Airless Spray set up is: Graco Ultra 500 using 0.019-0.021 spray tip at approx. 1000 psi.

Additional Coating Details:

Apply in full accordance with Product and Application data sheets - by nap roller working well into the substrate profile. Ensure adequate batch tint lots to achieve coverage over single elevations to ensure colour consistency.
It is recommended to hold a volume of finish material for future maintenance touch-ups

Coating System Notes:

* Practical Spreading Rate will vary from the quoted Theoretical Spreading Rate due to factors such as method and condition of application and surface roughness.
** Recoat times are quotes for 25°c and 50% relative humidity, these may vary under different conditions.

Comments

- Practical spreading rates will vary from quoted theoretical figures depending on substrate porosity, surface roughness, overspray losses, application methods and environmental conditions (e.g. wind).

  All preparation and painting must conform to AS2311: The Painting of Buildings
  Do not apply paint if Relative Humidity is above 85% or temperature is within 3°C of Dew Point.
  Do not apply if the surface temperature is greater than 40°C or below 10°C, or likely to fall below 10°C during the application or drying period.
  Dry times apply to a single coat at recommended spread rate and at 25°C and 50% Relative Humidity
  Allow longer times under cool, moist, or still conditions and or when applied at high film builds.
  Protect from dew, rain and frost for 48 hours when apply at the recommended spread rate.
  Avoid application in hot, windy conditions or on hot surfaces cool the surface by hosing with water and paint the cool damp surface.

When using Bright Reds, Oranges, Blues and Yellows or where very light (or dark) colours are applied over highly contrasting colours an extra coat maybe required.
Dulux recommend full coating systems including a top coat. For ALL systems the Texture &/or Base Coat should be tinted in accordance with AcraTex Tint Guide to the specified membrane top coat colour (or a colour as close as possible to the specified colour as product and tint rules allow).
Application techniques should be adjusted to achieve the recommended DFT and finishing standard.

To avoid "Picture Framing" of texture topcoats "wet on wet" cutting in & coating technique is recommended or apply multiple coats thinning the first coat.
At Commencement of coating system application to the substrate it shall be deemed that the Applicator has certified that the surface which it is to be applied to is fit to receive the specified coating(s) system.

When the Applicator is preparing the site sample for approval he should advise the Project Superintendent if the substrate condition is not of sufficient standard to produce the specified finish.

Where possible avoid dark colours - these will give raise to much higher surface temperature that may cause addition thermal stress and cooling demand to the building envelope and/ or require extra engineering considerations (greater building costs).
Consult Dulux on the potential to use InfraCOOL Heat Reflective Coatings that will keep the surface cooler “like for like” colour.

Glancing light
Joints and panel deformation may be clearly evident under glancing light, casting visible shadows of the minute and uneven projections of the joints.
Glancing light is light that is nearly parallel to the surface of the wall and casts visible shadows and uneven projections of the joints. Just like rendered masonry/ Jointed system any uneven projections will be highlighted and as such are outside the control / scope of this specification. Refer http://www.dulux.com.au/pdf/tech-advice/DLX_TECH_Glancing-Light.pdf

The coastal area is considered a marine environment and as such salt potentially can shorten the life of the coating systems. Care needs to be taken to wash down all areas twice. Once to remove surface contaminants, and raise salts to the surface and then secondly to remove these salts. Due to the locality, Weather conditions and lag time between applications of the coating system it may require the need to wash again, between coats.

This specification is to be read in conjunction with DULUX product data sheets
A DULUX warranty can be provided on request, when the FULL AcraTex system including a membrane topcoat/s is applied by a DULUX AcraTex trained applicator, according to specification, & at the specified spreading rates, & to the surface preparation details described in the DULUX AcraTex Specification Manual.
The dynamics of the substrate is outside the control of Dulux Australia and as such joint deformation or cracking is excluded from warranty terms. Colour change is a natural part of a coating weathering and is excluded from warranty terms
Refer warranty document for full terms and conditions.

Fungi and Algae can exist on virtually any surface (even glass) provided the right conditions for growth are met.
Visible growth on painted surfaces is typically caused by contaminants present together with the presence of high enough levels of moisture to support growth.
Agents in paints become ineffective where they cannot “touch” the growth source (eg where growth emanates from deposits on the film). Additionally the active agents are “consumed” in the process such that protection is time limited where conditions support ongoing growth performance is greatly improved with the inclusion of a membrane Top coat like AcraShield, Elastomeric 201 or AcraSkin.
Refer: http://www.dulux.com.au/specifier/our-brands/dulux-acratex/more-than-just-render

The exterior texture coatings should be cleaned on a regular basis. This will help maintain your overall aesthetic appearance and preserve your AcraTex Texture coating system. Cleaning once every year will remove light soil as well as grime and airborne pollutants refer Dulux AcraTex Care & Maintenance Guide
http://www.dulux.com.au/specifier/our-brands/dulux-acratex/acratex-care-and-maintenance

When using this specification, the Applicator shall maintain records in accordance with AS 3894 Parts 10, 11 and 12 and others as required by the Project Manager. These records shall be made available for inspection at any time by the Project Manager or authorised representative and submitted to the Principal Contractor upon completion of work.

When using this specification, the Applicator shall maintain records in accordance with AS 3894 Parts 10, 11 and 12 and others as required by the Project Manager. These records shall be made available for inspection at any time by the Project Manager or authorised representative and submitted to the Principal Contractor upon completion of work.

SURFACTANT LEACHING FROM EXTERIOR WATER-BASED COATINGS
Occasionally amber, clear or white spots/streaks are seen on a newly painted surface within the first few weeks after application. They usually appear after light rain or overnight dew and generally located in sheltered areas or areas with limited sun exposure. Under normal conditions surfactant contained in the tinted paint colour is slowly leached to the surface and washed away by rain leaving no trace and is a normal part of drying of any exterior water-based paint. Under certain atmospheric conditions and these surfactants leach or migrate to the paint surface, is concentrated forms and leaves clear or white deposits upon drying. These conditions include cool or humid weather or painting cold substrate and in most cases these marks on the wall surfaces are more noticeable on dark colours, such as browns or dark greens, etc..
The clear/white surfactants that have migrated to the wall surface areas will cause no down grading nor performance changes or long term durability concerns of the paint films integrity and unfortunately have become an appearance issue instead.
They easily removed from the paint film within a week or so of their appearance by washing with warm water & commercial grade detergent or via Nifti or Spray'n'Wipe followed by rinsing with fresh clean water.
Under severe conditions they may reappear once or twice until all the surfactant has been removed. It will be less noticeable each time, and can be removed in the same manner as before. Refer http://www.dulux.com.au/pdf/tech-advice/DLX_TECH_Leaching.pdf

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The data provided within the Duspec system is correct at the time of publication, however it is the responsibility of those using this information to check that it is current prior to specifying or using any of these coating/product systems.
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Please note that this document is only valid for 60 days from the date of issue.

DuluxGroup (Australia) Pty Ltd 1956 Dandenong Road, Clayton, Victoria 3168 AU ABN 67 000 049 427

Specification Sheet

Dulux AcraTex AcraShield Advance / Dulux AcraTex 950 Roll On 00 / Green Render Sealer (for Soffits) on New Concrete (Off Form, Tilt Up, Pre Cast) [Exterior]

AU_SA16078

Description

DULUX AcraTex 950 Roll On 00 and AcraShield Advance for off form, tilt up, precast concrete Soffits

AcraTex 950 Roll On 00 is designed for fast track textured roll application that yields an attractive soft stippled finish. This system is further enhanced with AcraTex 955 AcraShield Advance® is a single pack water borne, elastomeric acrylic coating with excellent water impermeability, chloride ion and carbon dioxide
resistance, and resistance to mould and mildew. This specification is for the prevention of concrete spalling, particularly in coastal, industrial and urban areas.
The 955 AcraShield Advance elastomeric coating prevents atmospheric neutralization of the concrete, preserving the concrete's naturally high alkalinity, which in turn protects steel reinforcement from corrosion.

Substrate And Substrate Preparation

Substrate Notes:	SUBSTRATE DESCRIPTION OFF FORM CONCRETE Off form Concrete is produced by placing suitable forms and shoring to hold the wet concrete into the required shape. Reinforcements are placed within or on the formwork to give concrete its strength. Once the formwork and shoring are removed the result is the off form concrete. TILT UP Tilt Up concrete is derived simply from the method of construction, wall panels are cast on a horizontal surface that then require lifting, and tilting vertically into their final position. Construction is commenced with the laying of the structures foundation and floor slab, wall panels are then cast on the floor one on top of each other in a stack arrangement. PRE CAST Pre Cast concrete are concrete panels that are cast on horizontal vibrating beds that are then cured in racks that are delivered to site that then require lifting, and positioned into their final position.
Substrate Preparation Notes:	PCO018 - OFF FORM, TILT UP, PRE CAST ASSESS SUITABILITY Concrete substrates need to be fully cured for a minimum of 28 days before coating as per AS 2311 Painting of Buildings (Current Edition). Off Form Concrete should be installed as per AS3610 Control of Concrete Surface Formwork (current edition) and AS 3850.2 Tilt Up Concrete & Pre Cast Elements for use in Buildings (current edition) REMOVE CONTAMINANTS Remove grease, form oils and release agents. Treat mould or moss with a suitable mould treatment. Remove shiny surfaces by mechanical abrasion. Embedded steel fragments such as nails, chair legs, tie wires or spacing bars lying on or very close the surface should be removed (and the surface made flush with AcraPatch Coarse or similar) or cleaned and coated with epoxy mastic to prevent rust stains and premature coating system failure. CLEAN Clean the surface thoroughly by water blasting or detergent cleaning, where a commercial cleaner is added to hot or cold water and surface is washed / scrubbed thoroughly with a stiff bristle broom and then rinsed clean with fresh water. This may need to be repeated on extremely dirty surfaces to ensure removal. Ensure that the surface is dry, clean and free from dust. Check for the presence of Release Agents and Bond Breakers by simply splashing water onto the substrate, if water beads on the surface then total removal is mandatory. Dulux recommend to contractors that they firstly identify the bond-breaker used on your project (Barrier or Chemically Reactive), this may be as simple as asking the foreman / builder of the project. The builder or a subcontractor usually constructs tilt panels. There may still be a drum present on site. Then remove as appropriate &/or recommended by the Form Release manufacturer. Where doubt exists always refer to the manufacturer of the Release Agent or Bond Breaker on their recommended practice of removal. The use of proprietary Tiltwash is recommended for the removal of Bond Breakers and Release Agents, a water test should be exercised after the use of TiltWash to check for any residual presence of Bond Breakers and Release agents. NOTE: TILTWASH IS USED TO REMOVE BARRIER TYPE BOND-BREAKERS & IS NOT SUITABLE TO REMOVE CHEMICALLY REACTIVE BOND-BREAKERS / Form Release Agents A chemically active form release agent contains an active ingredient that combines with the calcium hydroxide (lime) in fresh concrete to form a metallic, waterproof soap which prevents concrete adhesion to the treated surface. For this type of Bond-Breaker use a detergent solution consisting of 225 grams of Tri-Sodium Phosphate (TSP) in 3.8 litres of water is recommended followed by high pressure washing (4000 psi) REPAIR SURFACE IMPERFECTIONS Cracks and flaws should be filled with a suitable patching compound with the addition of 10% fresh Portland cement to match the existing surface. Blowholes and pinholes present can be filled with Acra-Patch 500/1 Fine or Coarse 500/2 depending on size (with the addition of 10% fresh Portland cement). Prime over any patched sections. Structural control or expansion joints should be filled with flexible paintable polyurethane mastic. CHECK MOISTURE Ensure concrete moisture content is less than 10% as measured with a standard moisture meter. The coastal area is considered a marine environment and as such salt potentially can shorten the life of the coating systems. Care needs to be taken to wash down all areas twice. Once to remove surface contaminants, and raise salts to the surface and then secondly to remove these salts. Due to the locality, Weather conditions and lag time between application of the coating system it may require the need to wash again, between coats.
Additional Notes:	How the contractor prepares /cleans the surface is up to the contractor but our system outlines best practise product/s / processes to ensure that the contractor does not apply coating directly onto a contaminated surface poorly prepared substrate. All preparation and painting must conform to AS2311: The Painting of Buildings At Commencement of coating system application, to the/any substrate it shall be deemed that the Applicator/ contractor has certified that the surface for which the coating/s is to be applied to, is fit to receive the specified coating(s) system.

Coating System Summary

1st Coat:	AUDA1582: Dulux AcraTex Green Render Sealer
2nd Coat:	AUDA0451: Dulux AcraTex 950 Roll On 00 Fine Texture Roller Finish
3rd Coat:	AUDA0432: Dulux AcraTex AcraShield Advance

Please refer to the coating system details below

Coating System

Coat Type:	**1st Coat**	**Datasheet:**	**AUDA1582 Dulux AcraTex Green Render Sealer**
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *	8	8	8
Wet Film Per Coat (microns)	125	125	125
Dry Film Per Coat (microns)	43.75	43.75	43.75
Recoat Time **	2 hrs	indefinite	

Coating Application Details:
Brush, roller and airless spray
Brush and roll at the same time to avoid picture framing.
Product should be thoroughly mixed before use. Refer to the DULUX AcraTex Application Manual for detailed instructions.
A 10-20mm nap roller is used depending on the type of surface profile being overcoated.
Typical Airless Spray set up is: Graco Ultra 500 using 0.017-0.019 spray tip at approx. 1000 psi.

Coat Type:	**2nd Coat**	**Datasheet:**	**AUDA0451 Dulux AcraTex 950 Roll On 00 Fine Texture Roller Finish**
Application Methods:	Roller, Hopper Gun		

	Min	Max	Recommended
Theoretical Spread Rate *	1.7	1.3	1.7
Wet Film Per Coat (microns)	583	800	583
Dry Film Per Coat (microns)	350	480	350
Recoat Time **	24Hours	NA	

Coating Application Details:
MEDIUM TEXTURE ROLLER, COARSE TEXTURE ROLLER or Hopper Gun
Product should be thoroughly mixed before use.
Refer to the DULUX AcraTex Application Manual for detailed application instructions.
00 Grade: Low profile by regular "MEDIUM TEXTURED ROLLER" at 1.7 sq.m/l, high profile by "COARSE TEXTURE ROLLER" at 1.5 sq.m/l, stucco by regular "MEDIUM TEXTURED ROLLER"& steel trowel at 1.25 sq.m/l, stipple by spray - hopper gun at 1.7 sq.m/l.

Coat Type:	**3rd Coat**	**Datasheet:**	**AUDA0432 Dulux AcraTex AcraShield Advance**
Application Methods:	Air Spray, Airless Spray, Brush, Roller, Other Roller , Brush , Conventional Spray , Airless Spray		

	Min	Max	Recommended
Theoretical Spread Rate *	6	4.5	6
Wet Film Per Coat (microns)	167	222	167
Dry Film Per Coat (microns)	75	100	75
Recoat Time **	2 Hours	indefinite	

Coating Application Details:
Brush, roller and airless spray
Brush and roll at the same time to avoid picture framing.
Product should be thoroughly mixed before use. Refer to the DULUX AcraTex Application Manual for detailed instructions.
DULUX AcraTex AcraShield may be applied by brush, roller or airless spray.
A 10-20mm nap roller is used depending on the type of texture being overcoated.
Typical Airless Spray set up is: Graco Ultra 500 using 0.019-0.021 spray tip at approx. 1000 psi.

Additional Coating Details:
Apply in full accordance with Product and Application data sheets - by nap roller working well into the substrate profile.
Ensure adequate batch tint lots to achieve coverage over single elevations to ensure colour consistency. It is recommended to hold a volume of finish material for future maintenance touch-ups.

Comments

- FINISHING TECHNIQUE FOR 950 ROLLON: Nominate from the following list (note that the average Spreading Rate and Dry Film Thickness quoted in the table

above are superseded by the nominated value):

- Practical spreading rates will vary from quoted theoretical figures depending on substrate porosity, surface roughness, overspray losses, application methods and environmental conditions (e.g. wind).

All preparation and painting must conform to AS2311: The Painting of Buildings
Do not apply paint if Relative Humidity is above 85% or temperature is within 3°C of Dew Point.
Do not apply if the surface temperature is greater than 40°C or below 10°C, or likely to fall below 10°C during the application or drying period.
Dry times apply to a single coat at recommended spread rate and at 25°C and 50% Relative Humidity
Allow longer times under cool, moist, or still conditions and or when applied at high film builds.
Protect from dew, rain and frost for 48 hours when apply at the recommended spread rate.
Avoid application in hot, windy conditions or on hot surfaces cool the surface by hosing with water and paint the cool damp surface.

When using Bright Reds, Oranges, Blues and Yellows or where very light (or dark) colours are applied over highly contrasting colours an extra coat maybe required.
Dulux recommend full coating systems including a top coat. For ALL systems the Texture &/or Base Coat should be tinted in accordance with AcraTex Tint Guide to the specified membrane top coat colour (or a colour as close as possible to the specified colour as product and tint rules allow).
Application techniques should be adjusted to achieve the recommended DFT and finishing standard.

To avoid "Picture Framing" of texture topcoats "wet on wet" cutting in & coating technique is recommended or apply multiple coats thinning the first coat.
At Commencement of coating system application to the substrate it shall be deemed that the Applicator has certified that the surface which it is to be applied to is fit to receive the specified coating(s) system.

When the Applicator is preparing the site sample for approval he should advise the Project Superintendent if the substrate condition is not of sufficient standard to produce the specified finish.

Where possible avoid dark colours - these will give raise to much higher surface temperature that may cause addition thermal stress and cooling demand to the building envelope and/ or require extra engineering considerations (greater building costs).
Consult Dulux on the potential to use InfraCOOL Heat Reflective Coatings that will keep the surface cooler “like for like” colour.

Glancing light
Joints and panel deformation may be clearly evident under glancing light, casting visible shadows of the minute and uneven projections of the joints.
Glancing light is light that is nearly parallel to the surface of the wall and casts visible shadows and uneven projections of the joints. Just like rendered masonry/ Jointed system any uneven projections will be highlighted and as such are outside the control / scope of this specification. Refer
http://www.dulux.com.au/pdf/tech-advice/DLX_TECH_Glancing-Light.pdf

The coastal area is considered a marine environment and as such salt potentially can shorten the life of the coating systems. Care needs to be taken to wash down all areas twice. Once to remove surface contaminants, and raise salts to the surface and then secondly to remove these salts. Due to the locality, Weather conditions and lag time between applications of the coating system it may require the need to wash again, between coats.

This specification is to be read in conjunction with DULUX product data sheets
A DULUX warranty can be provided on request, when the FULL AcraTex system including a membrane topcoat/s is applied by a DULUX AcraTex trained applicator, according to specification, & at the specified spreading rates, & to the surface preparation details described in the DULUX AcraTex Specification Manual.
The dynamics of the substrate is outside the control of Dulux Australia and as such joint deformation or cracking is excluded from warranty terms. Colour change is a natural part of a coating weathering and is excluded from warranty terms
Where the specification guidance does not comply with the painting systems set out in AS 2311, Dulux or the manufacturer's recommendations the coating system performance and/or appearance maybe compromised. (Eg Spot Priming, inadequate cleaning, Single coat systems, no membrane top coating) As a consequence, any Warranties or Guarantees, whether express or implied may also be compromised. Please contact the Specification author for more detail."Refer warranty document for full terms and conditions.

Fungi and Algae can exist on virtually any surface (even glass) provided the right conditions for growth are met.
Visible growth on painted surfaces is typically caused by contaminants present together with the presence of high enough levels of moisture to support growth.
Agents in paints become ineffective where they cannot “touch” the growth source (eg where growth emanates from deposits on the film). Additionally the active agents are “consumed” in the process such that protection is time limited where conditions support ongoing growth performance is greatly improved with the inclusion of a membrane Top coat like AcraShield, Elastomeric 201 or AcraSkin.
Refer: http://www.dulux.com.au/specifier/our-brands/dulux-acratex/more-than-just-render

The exterior texture coatings should be cleaned on a regular basis. This will help maintain your overall aesthetic appearance and preserve your AcraTex Texture coating system. Cleaning once every year will remove light soil as well as grime and airborne pollutants refer Dulux AcraTex Care & Maintenance Guide
http://www.dulux.com.au/specifier/our-brands/dulux-acratex/acratex-care-and-maintenance

When using this specification, the Applicator shall maintain records in accordance with AS 3894 Parts 10, 11 and 12 and others as required by the Project Manager. These records shall be made available for inspection at any time by the Project Manager or authorised representative and submitted to the Principal Contractor upon completion of work.

When using this specification, the Applicator shall maintain records in accordance with AS 3894 Parts 10, 11 and 12 and others as required by the Project Manager. These records shall be made available for inspection at any time by the Project Manager or authorised representative and submitted to the Principal Contractor upon completion of work.

SURFACTANT LEACHING FROM EXTERIOR WATER-BASED COATINGS
Occasionally amber, clear or white spots/streaks are seen on a newly painted surface within the first few weeks after application. They usually appear after light rain or overnight dew and generally located in sheltered areas or areas with limited sun exposure. Under normal conditions surfactant contained in the tinted paint colour is slowly leached to the surface and washed away by rain leaving no trace and is a normal part of drying of any exterior water-based paint. Under certain atmospheric conditions and these surfactants leach or migrate to the paint surface, is concentrated forms and leaves clear or white deposits upon drying. These conditions include cool or humid weather or painting cold substrate and in most cases these marks on the wall surfaces are more noticeable on dark colours, such as browns or dark greens, etc..

The clear/white surfactants that have migrated to the wall surface areas will cause no down grading nor performance changes or long term durability concerns of the paint films integrity and unfortunately have become an appearance issue instead.
They easily removed from the paint film within a week or so of their appearance by washing with warm water & commercial grade detergent or via Nifti or Spray'n'Wipe followed by rinsing with fresh clean water.
Under severe conditions they may reappear once or twice until all the surfactant has been removed. It will be less noticeable each time, and can be removed in the same manner as before. Refer http://www.dulux.com.au/pdf/tech-advice/DLX_TECH_Leaching.pdf

Images

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Dulux DuSpec Specification Sheet

Dulux Aquanamel Gloss / over Luxaprime ZP for on New Ferrous Metal/Steel (Commercial) [Interior/Exterior]

AU_SD07570

Description

A tough 100% acrylic enamel coating able to withstand similar situations that traditional alkyd enamels were used for.

Summary

DULUX Aquanamel Gloss is a waterbased interior/exterior acrylic enamel that dries to a glossy, ultra-smooth and tough finish. DULUX Aquanamel Gloss can be used in many of the areas that traditional solvent based enamels are used, with all the time saving benefits of an acrylic paint. DULUX Aquanamel Gloss is non-yellowing and resists chipping. DULUX Aquanamel Gloss is highly recommended for doors, architraves, skirting boards, windows, timber trim and walls and is ideal for bathrooms, kitchens and laundries.

Substrate And Substrate Preparation

Substrate Notes:	FERROUS METALS (Mild Steel, Cast Iron) SUBSTRATE DESCRIPTION Uncoated ferrous metal is very unstable and will readily react with water, oxygen and ions to form oxides (rust). Millscale is a shiny, bluish iron oxide produced by heat and pressure during manufacture, that is often mistaken for shop primer or clean steel. Millscale is very difficult to remove by hand and should be abrasive blast cleaned off. The presence of millscale is responsible for a significant proportion of coating failures. CAST IRON Carbon-steel alloy containing substantial amounts of graphite usually above 2.5%) which has been cast and therefore does not contain welds. MILD STEEL Mild steel contains less than 0.25% carbon. New mild steel surfaces should be inspected for millscale, rust, sharp edges, burr marks and welding flux, forming or machine oils, salts, chemical contamination or mortar splashes on them, all of which which must be removed.
Substrate Preparation Notes:	PFM056 - EXTERNAL MILD STEEL - COMMERCIAL/INDUSTRIAL PREPARATION 1. Wash and degrease all surfaces to be coated in accordance with AS1627.1 with a free-rinsing, alkaline detergent, such as Gibson F310B or Gamlen CA No. 1 in strict accordance with the manufacturers written instructions and all safety warnings. 2. Wash with fresh potable water and ensure that all soluble salts are removed in accordance with AS 3894.6 methods A&D. 3. Grind all sharp edges with a power tool to a minimum radius of 2 mm. 4. Power tool clean welds to AS1627.2 Class 2 to remove roughness. Remove filings, preferably by vacuum or compressed air. 5. Abrasive blast clean all steel surfaces to be painted in accordance with AS1627.4 to visual standard AS1627.9 Class 2.5 (equivalent to ISO8501-1, Sa 2.5: Very Thorough Blast-Cleaning). Use a non-metallic medium that will generate a surface profile of 35 to 65 microns (as tested to AS3894.5 Method A.) 6. Commence application within 4 hours of abrasive blast cleaning or before surface becomes contaminated, otherwise repeat abrasive blasting step. 7. Stripe coat welds, bolts, boltholes and all edges with primer before application of full primer coat nominated in the Coating System section of the specification. 8. Prior to application, ensure that the surface is free of contaminants including oil, grease, dirt, dust, salt and any other deleterious materials that will interfere with coating performance. TREATMENT OF ON SITE WELDING 1. Remove weld spatter. 2. Power tool clean welds to AS1627.2 Class 2 to remove roughness. Remove filings, preferably by vacuum or compressed air. 3. Prime welds immediately with the nominated primer before contamination can reoccur. Ensure that the primer overlaps the sound adjacent coating by not less than 25mm or greater than 50mm. 4. Apply intermediate and topcoats over the primed welds to match the surrounding coating system, overlapping the sound adjacent coating by not less than 25mm or greater than 50mm.

Coating System Summary

1st Coat:	AUDI1136: Dulux Luxaprime Zinc Phosphate Primer
2nd Coat:	AUDD1282: Dulux Aquanamel Gloss
3rd Coat:	AUDD1282: Dulux Aquanamel Gloss

Please refer to the coating system details below

Coating System

Coat Type:	1st Coat	Datasheet:	AUDI1136 Dulux Luxaprime Zinc Phosphate Primer
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *	9.1	5.7	6.1
Wet Film Per Coat (microns)	110	175	165
Dry Film Per Coat (microns)	50	80	75
Recoat Time **	24 Hours	Indefinite	

Coating Application Details: Brush, Roller, Conventional, Airless or Air Assisted Spray

Coat Type:	2nd Coat	Datasheet:	AUDD1282 Dulux Aquanamel Gloss
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *	16	16	16
Wet Film Per Coat (microns)	63	63	63
Dry Film Per Coat (microns)	22	22	22
Recoat Time **	2 Hours	Indefinite	

Coating Application Details:

Brush, roller or HVLP spray
* Some colours may require more than the recommended number of coats to achieve full opacity.
Stir contents thoroughly before and during use with a broad flat stirrer using an upward lifting action.
Brush/Roller:
Brush- Dulux Professional range of brushes are recommended
Roller- Very short nap roller e.g. 5mm
Apply evenly, dividing area into patches about 50-60 square centimetres. Paint one patch at a time working back into previously applied paint.
Finally lay off each patch with light vertical strokes again lapping lightly into previously painted patches.
On wall areas use a 5mm nap roller to achieve the smoothest finish. Do not lay off with a brush.
Generally thinning is not recommended, however, under hot conditions DULUX Hot Weather Thinner should be added to improve application performance to maximum of 50 ml per litre.
Airless/Conventional Spray: Airless/Conventional Spray:
Suitable for application by conventional or airless spray equipment. Up to 100mL/L of water may be added for application by conventional spray, up to 30mL/L of water for airless spray, and up to 5mL/L for HVLP spray, to aid atomisation.
Wagner recommendation: F230 Aircoat recommended.
Tip: 211 for archs and trim, 411 for doors
Pressure: 1100 PSI
1-1.5 at the bar at the gun
Graco recommendation: Air Assisted Airless.
Tip: 210 or 310
Pressure: 1100 PSI

Coat Type:	3rd Coat	Datasheet:	AUDD1282 Dulux Aquanamel Gloss
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *	16	16	16
Wet Film Per Coat (microns)	63	63	63
Dry Film Per Coat (microns)	22	22	22
Recoat Time **	2 Hours	Indefinite	

Coating Application Details:

Brush, roller or HVLP spray
* Some colours may require more than the recommended number of coats to achieve full opacity.
Stir contents thoroughly before and during use with a broad flat stirrer using an upward lifting action.
Brush/Roller:
Brush- Dulux Professional range of brushes are recommended
Roller- Very short nap roller e.g. 5mm
Apply evenly, dividing area into patches about 50-60 square centimetres. Paint one patch at a time working back into previously applied paint.
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Suitable for application by conventional or airless spray equipment. Up to 100mL/L of water may be added for application by conventional spray, up to 30mL/L of water for airless spray, and up to 5mL/L for HVLP spray, to aid atomisation.
Wagner recommendation: F230 Aircoat recommended.
Tip: 211 for archs and trim, 411 for doors
Pressure: 1100 PSI
1-1.5 at the bar at the gun
Graco recommendation: Air Assisted Airless.
Tip: 210 or 310
Pressure: 1100 PSI

Coating System Notes:

* Practical Spreading Rate will vary from the quoted Theoretical Spreading Rate due to factors such as method and condition of application and surface roughness.
** Recoat times are quotes for 25°c and 50% relative humidity, these may vary under different conditions.

Comments

- Do not apply paint if Relative Humidity is above 85% or temperature is within 3°C of Dew Point.
  Do not apply if the surface temperature is greater than 40°C or below 10°C, or likely to fall below 10°C during the application or drying period.
- Do not apply paint if the temperature is below 10°C or likely to fall below 10°C during the drying period.
- This specification must be read in conjunction with the appropriate technical data sheets.

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Dulux DuSpec Specification Sheet

Dulux Aquanamel Gloss on New Timber [Interior/Exterior] AU_SD08455

Description

DULUX Aquanamel Gloss is a waterbased interior/exterior acrylic enamel that dries to a glossy smooth and tough finish. DULUX Aquanamel Gloss can be used in many of the areas that traditional solvent based enamels are used, with all the time saving benefits of an acrylic paint. DULUX Aquanamel Gloss is non-yellowing and resists chipping. DULUX Aquanamel Gloss is highly recommended for doors, architraves, skirting boards, windows, timber trim and walls and is ideal for bathrooms, kitchens and laundries.

DULUX PROFESSIONAL Total Prep is a high quality, 100% acrylic primer/sealer/undercoat, with excellent opacity, adhesion, flow and sealing and filling properties. It is suitable for interior and exterior use on a variety of surfaces.

Summary

DULUX Aquanamel Gloss is a waterbased interior/exterior acrylic enamel that dries to a glossy smooth and tough finish. DULUX Aquanamel Gloss can be used in many of the areas that traditional solvent based enamels are used, with all the time saving benefits of an acrylic paint. DULUX Aquanamel Gloss is non-yellowing and resists chipping. DULUX Aquanamel Gloss is highly recommended for doors, architraves, skirting boards, windows, timber trim and walls and is ideal for bathrooms, kitchens and laundries.

DULUX PROFESSIONAL Total Prep is a high quality, 100% acrylic primer/sealer/undercoat, with excellent opacity, adhesion, flow and sealing and filling properties. It is suitable for interior and exterior use on a variety of surfaces.

Substrate And Substrate Preparation

Substrate Notes:	SUBSTRATE DESCRIPTION NEW TIMBER New timber items should be delivered in a clean dry condition, just prior to installation. The timber should be inspected for physical defects, such as splinters, cracks, woolly grain, machine marks, and knot holes and also for other defects such as sap and tannin stains, and resin exudation from knots. Examine surfaces for wax or preservatives. Moisture content should be close to equilibrium, usually 10-17% for satisfactory staining or coating. Timber should be stored out of the weather before painting. Timber left exposed to the weather for as little as one month prior to painting will suffer from reduced paint adhesion and durability. AGED TIMBER Old timber surfaces should be inspected for dry rot, mould or fungus, excessive water content, grey and weathered timber, grain cracking, resins, stains, old unsound paint, dirt and any surface contamination. These defects should be rectified prior to painting. TANNIN RICH TIMBER Tannins are water-soluble compounds present in some timbers such as meranti, merbau, kwila, western red cedar and tallowwood. These tannins are leached out by water or moisture and can cause staining of surrounding areas. They are seen as dark coloured stains either under or within a coating. Tannin staining is most obvious in light coloured coatings, such as whites. Darker and wood-toned colours hide the tannin stains best. When using light colours on tannin rich timbers, an appropriate primer should be used to seal the tannins in the wood. MANUFACTURED HARDBOARD These products are manufactured as smooth sheets consisting of wood fibres bound with either natural lignin or a small percentage of phenolic resin. Hardboard is widely used as interior panelling but is vulnerable to moisture and therefore not suitable for exterior exposure or in high condensation conditions. Repairing damaged hardboard is not generally practical and it is advisable to completely replace any damaged sections. These products are manufactured from timber fibre bound with thermosetting phenol formaldehyde resin. They contain wax which may inhibit the drying of solvent based alkyd enamels and tannins which may bleed through water based coatings. As manufactured the smooth surfaces provide an ideal surface for finishing but machined edges are more porous and may show fibre raising when primed.
Substrate Preparation Notes:	ASSESS SUITABILITY Ensure the wood is thoroughly clean and dry before commencing. If there is any doubt, measure moisture content which must be between 10-17% before staining or finishing can commence. REMOVE SURFACE CONTAMINANTS Examine the surface for the presence of sap, grease, oil, wax, tannin, building marks, or other contaminants. Scrape off and remove residual contaminants by solvent cleaning. Use scraper to remove dirt and mortar splashes. Any greyed wood fibres on aged timbers need to be removed by sanding and / or suitable chemical wood cleaner. CLEAN Clean to remove all dirt, dust and all other surface contaminants by using a suitable cleaning agent and rinse off with clean water. Treat mould with a suitable mould treatment. REPAIR SURFACE IMPERFECTIONS Fill nail holes, cracks and other defects with a suitable wood filler and allow to dry thoroughly. SANDING Sand dressed timber with fine sandpaper in direction of the grain and along the full length of the board. Round off all sharp edges to a minimum of 2 mm radius in order to achieve an even film build and uniform paint coverage.

Coating System Summary

Prep Coat:	AUDD1169: Dulux Professional Total Prep
2nd Coat:	AUDD1282: Dulux Aquanamel Gloss
3rd Coat:	AUDD1282: Dulux Aquanamel Gloss
Please refer to the coating system details below	

Coating System

Coat Type:	**Prep Coat**	**Datasheet:**	**AUDD1169 Dulux Professional Total Prep**
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *	14	14	14
Wet Film Per Coat (microns)	69	71	71
Dry Film Per Coat (microns)	29	27	27
Recoat Time **	2 Hours	Indefinite	

Coating Application Details:

Roller, Brush & Spray
Stir contents thoroughly before and during use. Apply direct from the can. May be applied to dampened surfaces. If applied over dry, porous surfaces, dampen surface before applying.
Brush: Wet brushes with water prior to use to avoid clogging. Apply a full even coat direct from the container. Under hot conditions it may be necessary to thin with up to 100ml per litre of clean water.
Roller: Using a medium nap roller apply a full even coat direct from the container and finish by light parallel strokes with a dry roller.
Airless/Conventional Spray: Suitable for application by all standard spray equipment. If necessary thin with up to 100ml per litre of water to aid atomisation.
NOTE: Spray application is not recommended for priming timber surfaces.

Coat Type:	**2nd Coat**	**Datasheet:**	**AUDD1282 Dulux Aquanamel Gloss**
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *	16	16	16
Wet Film Per Coat (microns)	63	63	63
Dry Film Per Coat (microns)	22	22	22
Recoat Time **	2 Hours	Indefinite	

Coating Application Details:

Brush, roller or HVLP spray
* Some colours may require more than the recommended number of coats to achieve full opacity.
Stir contents thoroughly before and during use with a broad flat stirrer using an upward lifting action.
Brush/Roller:
Brush- Dulux Professional range of brushes are recommended
Roller- Very short nap roller e.g. 5mm
Apply evenly, dividing area into patches about 50-60 square centimetres. Paint one patch at a time working back into previously applied paint.
Finally lay off each patch with light vertical strokes again lapping lightly into previously painted patches.
On wall areas use a 5mm nap roller to achieve the smoothest finish. Do not lay off with a brush.
Generally thinning is not recommended, however, under hot conditions DULUX Hot Weather Thinner should be added to improve application performance to maximum of 50 ml per litre.
Airless/Conventional Spray: Airless/Conventional Spray:
Suitable for application by conventional or airless spray equipment. Up to 100mL/L of water may be added for application by conventional spray, up to 30mL/L of water for airless spray, and up to 5mL/L for HVLP spray, to aid atomisation.
Wagner recommendation: F230 Aircoat recommended.
Tip: 211 for archs and trim, 411 for doors
Pressure: 1100 PSI
1-1.5 at the bar at the gun
Graco recommendation: Air Assisted Airless.
Tip: 210 or 310
Pressure: 1100 PSI

Coat Type:	3rd Coat	Datasheet:	AUDD1282 Dulux Aquanamel Gloss
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *	16	16	16
Wet Film Per Coat (microns)	63	63	63
Dry Film Per Coat (microns)	22	22	22
Recoat Time **	2 Hours	Indefinite	

Coating Application Details:

Brush, roller or HVLP spray
* Some colours may require more than the recommended number of coats to achieve full opacity.
Stir contents thoroughly before and during use with a broad flat stirrer using an upward lifting action.
Brush/Roller:
Brush- Dulux Professional range of brushes are recommended
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Airless/Conventional Spray: Airless/Conventional Spray:
Suitable for application by conventional or airless spray equipment. Up to 100mL/L of water may be added for application by conventional spray, up to 30mL/L of water for airless spray, and up to 5mL/L for HVLP spray, to aid atomisation.
Wagner recommendation: F230 Aircoat recommended.
Tip: 211 for archs and trim, 411 for doors
Pressure: 1100 PSI
1-1.5 at the bar at the gun
Graco recommendation: Air Assisted Airless.
Tip: 210 or 310
Pressure: 1100 PSI

Coating System Notes:

* Practical Spreading Rate will vary from the quoted Theoretical Spreading Rate due to factors such as method and condition of application and surface roughness.
** Recoat times are quotes for 25°c and 50% relative humidity, these may vary under different conditions.

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Dulux DuSpec Specification Sheet

Dulux Enviro2 Interior Low Sheen on New Moisture Resistant Plasterboard (MRP) [Interior]

AU_SD09925

Substrate And Substrate Preparation

Substrate Notes:	WATER RESISTANT PLASTERBOARD A paperfaced plasterboard which has been treated with a waterproofing material
Substrate Preparation Notes:	PPL008 - PLASTER PRODUCTS REPAIR SURFACE IMPEFECTIONS Fill cracks and surface imperfections with patching plaster or a suitable filler. Any gaps resulting from structural movement should be filled with a flexible gap sealant. SAND Sandpaper smooth. CLEAN Ensure surface is clean and free from dust. Dust off thoroughly with a damp cloth to remove loosely adhering jointing compound or cornice cement. Nb: Fibrous plaster and set plaster must be sealed with a solvent based pigmented sealer

Coating System Summary

Prep Coat:	AU_DD02680: Dulux Enviro2 Interior Acrylic Sealer Undercoat
1st Coat:	AU_DD02681: Dulux Enviro2 Interior Low Sheen
2nd Coat:	AU_DD02681: Dulux Enviro2 Interior Low Sheen

Please refer to the coating system details below

Coating System

Coat Type:	**Prep Coat**	**Datasheet:**	**AU_DD02680 Dulux Enviro2 Interior Acrylic Sealer Undercoat**
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *			14
Wet Film Per Coat (microns)			69
Dry Film Per Coat (microns)			27

Coating Application Details:	Brush, roller, spray Stir well before use with a broad, flat paddle using an up and down scooping action. Apply one coat of Enviro2 Acrylic Sealer Undercoat. Thin with up to 100mls water per litre of paint if necessary.

Coat Type:	**1st Coat**	**Datasheet:**	**AU_DD02681 Dulux Enviro2 Interior Low Sheen**
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *			16
Wet Film Per Coat (microns)			63
Dry Film Per Coat (microns)			27
Recoat Time **			2 hours

Coating Application Details:	Brush, roller, spray Stir well before use with a broad, flat paddle using an up and down scooping action. Apply 2 coats of Dulux EnvirO2 Interior Low Sheen. Thin with up to 100ml of water per litre if necessary.

Coat Type:	2nd Coat	Datasheet:	AU_DD02681 Dulux Enviro2 Interior Low Sheen
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *			16
Wet Film Per Coat (microns)			63
Dry Film Per Coat (microns)			27
Recoat Time **			2 hours

Coating Application Details:	Brush, roller, spray Stir well before use with a broad, flat paddle using an up and down scooping action. Apply 2 coats of Dulux EnvirO2 Interior Low Sheen. Thin with up to 100ml of water per litre if necessary.
Coating System Notes:	* Practical Spreading Rate will vary from the quoted Theoretical Spreading Rate due to factors such as method and condition of application and surface roughness. ** Recoat times are quotes for 25°c and 50% relative humidity, these may vary under different conditions.

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Dulux DuSpec Specification Sheet

Dulux Weathershield Low Sheen on New Fibre Cement Sheet (FC) [Exterior] AU_SD16347

Substrate And Substrate Preparation

Substrate Notes:	Fibre cement boards and sheeting are manufactured from cement and cellulose fibre. The are commonly used as weatherboards and lining material, and come in a variety of profiles - smooth, woodgrain and rough sawn. They are available un-primed or pre-primed.
Substrate Preparation Notes:	PCC050 - CFC Sheet (Titan Board, CFC, Express Wall, Villaboard) NEW ASSESS SUITABLILITY Ensure that the CFC products are installed as per the manufacturers current installation/fixing manuals. Timber framing must comply with AS 1684 National Framing Code (current edition) and metal framing must comply with AS 3623 Domestic Framing Code (current edition). Use only plastic angles and corrosion resistant fixings. REMOVE CONTAMINANTS Ensure that the surface is clean, sound, dry and free of any dust, dirt, mould, fungus, grease or other contaminants. Remove dust with a stiff broom or as appropriate. Treat mould if present. SAND Sand off any raised imperfections and sand off sharp edges to a minimum of 2mm radius to ensure that the recommended paint film thickness is achieved on the edges. Fill imperfections with a suitable repair mortar and ensure a flush finish. Allow 24 hours to cure. Recheck surface to ensure that the surface is clean, sound and dry, and in every way ready to receive the coating system. PRIME Prime CFC sheeting on all edges and both sides if possible) to prevent moisture ingress and to prevent bowing of the sheet. Joint filling and sealing must must not be carried out before priming. TREATMENT OF EXPRESSED JOINTS WHERE TEXTURE IS TO BE APPLIED: Fill and seal the primed joint with a paintable polyurethane joint sealant and allow to cure. Mask off joint, then apply texture coating according to directions. Immediately remove masking tape whilst the texture coating is still wet to create a clean texture line. Tape will be permanently embedded in the texture if the texture is allowed to dry before attempted removal of the tape. When Texture has fully cured, apply specified topocat over entire surface, including joint sealant. WHERE AN ELASTOMERIC COATING IS TO BE APPLIED: No masking is required. WHERE AN INFLEXIBLE COATING IS TO BE APPLIED (EG TWO PACK): Apply all coatings as specified to CFC sheeting, including joints, and allow to fully cure BEFORE any joint filling and sealing is carried out.

Coating System Summary

Primer:	AUDD1169: Dulux Professional Total Prep
1st Coat:	AUDD0053: Dulux Weathershield Low Sheen
2nd Coat:	AUDD0053: Dulux Weathershield Low Sheen

Please refer to the coating system details below

Coating System

Coat Type:	**Primer**	**Datasheet:**	**AUDD1169 Dulux Professional Total Prep**
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *	14	14	14
Wet Film Per Coat (microns)	69	71	71
Dry Film Per Coat (microns)	29	27	27
Recoat Time **	2 Hours	Indefinite	

Coating Application Details:	Roller, Brush & Spray Stir contents thoroughly before and during use. Apply direct from the can. May be applied to dampened surfaces. If applied over dry, porous surfaces, dampen surface before applying. Brush: Wet brushes with water prior to use to avoid clogging. Apply a full even coat direct from the container. Under hot conditions it may be necessary to thin with up to 100ml per litre of clean water. Roller: Using a medium nap roller apply a full even coat direct from the container and finish by light parallel strokes with a dry roller. Airless/Conventional Spray: Suitable for application by all standard spray equipment. If necessary thin with up to 100ml per litre of water to aid atomisation. NOTE: Spray application is not recommended for priming timber surfaces.

Coat Type:	1st Coat	Datasheet:	AUDD0053 Dulux Weathershield Low Sheen
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *	16	16	16
Wet Film Per Coat (microns)	63	63	63
Dry Film Per Coat (microns)	24	24	24
Recoat Time **	2 Hours	Indefinite	

Coating Application Details:

Brush, roller, conventional and airless spray
*Some colours may require more than the recommended number of coats to achieve full opacity. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), when painting over contrasting colour, apply 1 coat of Dulux 1Step prepcoat.
Check the weather forecast. Do not paint on excessively cold or humid days. Exposure to rain or overnight dew whilst drying may result in the coating being damaged or removed. If painting during the hottest time of the day, cool the surface by hosing before painting and paint on the shady side of the house.
Stir contents thoroughly before and during use with a broad flat stirrer, using an upward lifting action.
Brush/Roller: Soak brush or roller in water before starting and use while still slightly damp. Thinning is usually not required.
Airless or Conventional Spray: Suitable for application by all standard spray equipment. Apply wet even coats. If necessary thin with up to 100 ml/litre water to aid atomisation.
Under hot or very windy conditions, up to 100 ml/litre of DULUX Hot Weather Thinner may be added to ease application.

Within 1km of sea for GALVANISED IRON, ZINCALUME : Apply one coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.

STEEL/WROUGHT IRON : Apply 2 coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.
BARE SURFACES including BRICK, MASONRY, FIBRE CEMENT, ZINCALUME : Apply 3 coats of Weathershield.
GALVANISED IRON : Apply 3 coats of Weathershield. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), apply 1 coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.
For ZINCALUME/GALVANISED IRON ROOFS: Apply 3 coats of Weathershield. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), apply 1 coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.
BARE UNPAINTED TIMBER: Apply 3 coats of Weathershield. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), for improved resistance to cracking on hardwoods (eg Mt Ash, Oak), apply a coat of Dulux 1Step Prepcoat prior to the application of two topcoats of Weathershield.

On PREVIOUSLY PAINTED SURFACES, apply 2 coats of Weathershield.

Preparation/coating system can vary depending on the quality and conditions of PRE-PRIMED TIMBER/FIBRE CEMENT, COLORBOND(R) & COLORSTEEL(R) and TILT-UP & PRECAST CONCRETE surfaces. For help and advice, please call Dulux Help & Advice on 13 25 25 for specific guidance.

Professional Painters refer to Duspec Specification Sheets to qualify for guarantee.

Coat Type:	2nd Coat	Datasheet:	AUDD0053 Dulux Weathershield Low Sheen
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *	16	16	16
Wet Film Per Coat (microns)	63	63	63
Dry Film Per Coat (microns)	24	24	24
Recoat Time **	2 Hours	Indefinite	

Coating Application Details:

Brush, roller, conventional and airless spray
*Some colours may require more than the recommended number of coats to achieve full opacity. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), when painting over contrasting colour, apply 1 coat of Dulux 1Step prepcoat.
Check the weather forecast. Do not paint on excessively cold or humid days. Exposure to rain or overnight dew whilst drying may result in the coating being damaged or removed. If painting during the hottest time of the day, cool the surface by hosing before painting and paint on the shady side of the house.
Stir contents thoroughly before and during use with a broad flat stirrer, using an upward lifting action.
Brush/Roller: Soak brush or roller in water before starting and use while still slightly damp. Thinning is usually not required.
Airless or Conventional Spray: Suitable for application by all standard spray equipment. Apply wet even coats. If necessary thin with up to 100 ml/litre water to aid atomisation.
Under hot or very windy conditions, up to 100 ml/litre of DULUX Hot Weather Thinner may be added to ease application.

Within 1km of sea for GALVANISED IRON, ZINCALUME : Apply one coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.

STEEL/WROUGHT IRON : Apply 2 coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.
BARE SURFACES including BRICK, MASONRY, FIBRE CEMENT, ZINCALUME : Apply 3 coats of Weathershield.
GALVANISED IRON : Apply 3 coats of Weathershield. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), apply 1 coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.
For ZINCALUME/GALVANISED IRON ROOFS: Apply 3 coats of Weathershield. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), apply 1 coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.
BARE UNPAINTED TIMBER: Apply 3 coats of Weathershield. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), for improved resistance to cracking on hardwoods (eg Mt Ash, Oak), apply a coat of Dulux 1Step Prepcoat prior to the application of two topcoats of Weathershield.

On PREVIOUSLY PAINTED SURFACES, apply 2 coats of Weathershield.

Preparation/coating system can vary depending on the quality and conditions of PRE-PRIMED TIMBER/FIBRE CEMENT, COLORBOND(R) & COLORSTEEL(R) and TILT-UP & PRECAST CONCRETE surfaces. For help and advice, please call Dulux Help & Advice on 13 25 25 for specific guidance.

Professional Painters refer to Duspec Specification Sheets to qualify for guarantee.

Coating System Notes:

* Practical Spreading Rate will vary from the quoted Theoretical Spreading Rate due to factors such as method and condition of application and surface roughness.
** Recoat times are quotes for 25°c and 50% relative humidity, these may vary under different conditions.

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Dulux DuSpec Specification Sheet

Dulux Enviro2 Interior Low Sheen on New Plasterboard [Interior] AU_SD17086

Description

Dulux EnvirO2 Interior Low Sheen is a very low VOC, low odour premium water based paint. It produces a washable, stain resistance and hard wearing finish suitable for all interior living areas. It contains mould protection to help prevent mould growth.

Substrate And Substrate Preparation

Substrate Notes:	SUBSTRATE / SURFACE DESCRIPTION White plaster is the main ingredient in paperfaced plasterboard, set plaster, fibrous plaster and other similar materials. They are generally used for interior ceilings and walls. MOST COMMON PAPERFACED PLASTERBOARD Paperfaced plasterboard is set plaster sandwiched between cardboard faces. The edges are recessed to allow the joints to be flushed with cornice cement or plaster compound. Paperfaced plasterboard should be flat and smooth on jointed areas, free of dust and have undamaged paper surfaces. Ensure paper has not been scuffed by sanding at jointed areas. Poor flushing of the joints or inadequate priming will cause visual "banding" when painted. Ensure a high quality of levelling and sufficient priming to unify surface porosity. Ensure water resistant grades have been used in areas where steam, condensation or moisture may occur. FIBROUS PLASTER, SET PLASTER Fibrous or set plaster should be inspected for fine surface cracks, uneven trowelling, large cracks & air bubbles. The surface should also be examined for excessive moisture around jointing & scrimmed areas, powdery or weak and "drummy" surface layers and areas of porosity differences and areas contaminated with oily release agents. Jointed areas using added lime should be checked for alkalinity. WATER RESISTANT PLASTERBOARD A paperfaced plasterboard which has been treated with a waterproofing material LEAST COMMON FYRELINE PLASTERBOARD A fire retardant grade of plasterboard. PLASTERGLASS A smooth, white cast plaster with glass fibre reinforcement used mainly for ceilings in Western Australia TBA
Substrate Preparation Notes:	REPAIR SURFACE IMPEFECTIONS Fill cracks and surface imperfections with patching plaster or a suitable filler. Any gaps resulting from structural movement should be filled with a flexible gap sealant. SAND Sandpaper smooth. CLEAN Ensure surface is clean and free from dust. Dust off thoroughly with a damp cloth to remove loosely adhering jointing compound or cornice cement. Nb: Fibrous plaster and set plaster must be sealed with a solvent based pigmented sealer.

Coating System Summary

Primer:	AU_DD02680: Dulux Enviro2 Interior Acrylic Sealer Undercoat
1st Coat:	AU_DD02681: Dulux Enviro2 Interior Low Sheen
2nd Coat:	AU_DD02681: Dulux Enviro2 Interior Low Sheen
Please refer to the coating system details below	

Coating System

Coat Type:	Primer	Datasheet:	AU_DD02680 Dulux Enviro2 Interior Acrylic Sealer Undercoat
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *			14
Wet Film Per Coat (microns)			69
Dry Film Per Coat (microns)			27

Coating Application Details: Brush, roller, spray
Stir well before use with a broad, flat paddle using an up and down scooping action. Apply one coat of Enviro2 Acrylic Sealer Undercoat. Thin with up to 100mls water per litre of paint if necessary.

Coat Type:	1st Coat	Datasheet:	AU_DD02681 Dulux Enviro2 Interior Low Sheen
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *			16
Wet Film Per Coat (microns)			63
Dry Film Per Coat (microns)			27
Recoat Time **			2 hours

Coating Application Details: Brush, roller, spray
Stir well before use with a broad, flat paddle using an up and down scooping action. Apply 2 coats of Dulux EnvirO2 Interior Low Sheen. Thin with up to 100ml of water per litre if necessary.

Coat Type:	2nd Coat	Datasheet:	AU_DD02681 Dulux Enviro2 Interior Low Sheen
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *			16
Wet Film Per Coat (microns)			63
Dry Film Per Coat (microns)			27
Recoat Time **			2 hours

Coating Application Details: Brush, roller, spray
Stir well before use with a broad, flat paddle using an up and down scooping action. Apply 2 coats of Dulux EnvirO2 Interior Low Sheen. Thin with up to 100ml of water per litre if necessary.

Coating System Notes:
* Practical Spreading Rate will vary from the quoted Theoretical Spreading Rate due to factors such as method and condition of application and surface roughness.
** Recoat times are quotes for 25°c and 50% relative humidity, these may vary under different conditions.

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Dulux DuSpec Specification Sheet

Dulux EnvirO2 Water Based Enamel Semi Gloss /Low VOC Enamel Semi Gloss on New Timber [Interior] AU_SD17090

Description

Dulux EnvirO2 Enamel Semi Gloss is a very low VOC, low odour premium water based paint. It produces a washable, stain resistance, tough and hardwearing finish.

Substrate And Substrate Preparation

Substrate Notes:	SUBSTRATE DESCRIPTION NEW TIMBER New timber items should be delivered in a clean dry condition, just prior to installation. The timber should be inspected for physical defects, such as splinters, cracks, woolly grain, machine marks, and knot holes and also for other defects such as sap and tannin stains, and resin exudation from knots. Examine surfaces for wax or preservatives. Moisture content should be close to equilibrium, usually 10-17% for satisfactory staining or coating. Timber should be stored out of the weather before painting. Timber left exposed to the weather for as little as one month prior to painting will suffer from reduced paint adhesion and durability. AGED TIMBER Old timber surfaces should be inspected for dry rot, mould or fungus, excessive water content, grey and weathered timber, grain cracking, resins, stains, old unsound paint, dirt and any surface contamination. These defects should be rectified prior to painting. TANNIN RICH TIMBER Tannins are water-soluble compounds present in some timbers such as meranti, merbau, kwila, western red cedar and tallowwood. These tannins are leached out by water or moisture and can cause staining of surrounding areas. They are seen as dark coloured stains either under or within a coating. Tannin staining is most obvious in light coloured coatings, such as whites. Darker and wood-toned colours hide the tannin stains best. When using light colours on tannin rich timbers, an appropriate primer should be used to seal the tannins in the wood. MANUFACTURED HARDBOARD These products are manufactured as smooth sheets consisting of wood fibres bound with either natural lignin or a small percentage of phenolic resin. Hardboard is widely used as interior panelling but is vulnerable to moisture and therefore not suitable for exterior exposure or in high condensation conditions. Repairing damaged hardboard is not generally practical and it is advisable to completely replace any damaged sections. These products are manufactured from timber fibre bound with thermosetting phenol formaldehyde resin. They contain wax which may inhibit the drying of solvent based alkyd enamels and tannins which may bleed through water based coatings. As manufactured the smooth surfaces provide an ideal surface for finishing but machined edges are more porous and may show fibre raising when primed.
Substrate Preparation Notes:	ASSESS SUITABILITY Ensure the wood is thoroughly clean and dry before commencing. If there is any doubt, measure moisture content which must be between 10-17% before staining or finishing can commence. REMOVE SURFACE CONTAMINANTS Examine the surface for the presence of sap, grease, oil, wax, tannin, building marks, or other contaminants. Scrape off and remove residual contaminants by solvent cleaning. Use scraper to remove dirt and mortar splashes. Any greyed wood fibres on aged timbers need to be removed by sanding and / or suitable chemical wood cleaner. CLEAN Clean to remove all dirt, dust and all other surface contaminants by using a suitable cleaning agent and rinse off with clean water. Treat mould with a suitable mould treatment. REPAIR SURFACE IMPERFECTIONS Fill nail holes, cracks and other defects with a suitable wood filler and allow to dry thoroughly. SANDING Sand dressed timber with fine sandpaper in direction of the grain and along the full length of the board. Round off all sharp edges to a minimum of 2 mm radius in order to achieve an even film build and uniform paint coverage.

Coating System Summary

Primer:	AU_DD02479: Dulux 1 Step Prep
1st Coat:	AU_DD02769: Dulux EnvirO2 Water Based Enamel Semi Gloss
2nd Coat:	AU_DD02769: Dulux EnvirO2 Water Based Enamel Semi Gloss
Please refer to the coating system details below	

Coating System

Coat Type:	Primer	Datasheet:	AU_DD02479 Dulux 1 Step Prep
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *			14
Wet Film Per Coat (microns)			71
Dry Film Per Coat (microns)			29

Coating Application Details:
Brush, roller, conventional or airless spray.
NOTE: Spray application is not recommended for priming timber surfaces.
Stir contents thoroughly before and during use. Apply direct from the can. May be applied to dampened surfaces. If applied over dry, porous surfaces, dampen surfaces before applying.
Brush: Wet brushes with water prior to use to avoid clogging. Apply a full even coat direct from the container. Under hot conditions it may be necessary to thin with up to 100mL/L of clean water.
Roller: Using a medium nap roller apply a full even coat and finish with light parallel strokes without reloading the roller.
Airless/Conventional Spray: Suitable for application by all standard spray equipment. If necessary thin with up to 100mL/L of water water to aid atomization.
NOTE: Spray application is not recommended for priming timber surfaces.

Coat Type:	1st Coat	Datasheet:	AU_DD02769 Dulux EnvirO2 Water Based Enamel Semi Gloss
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *			16
Wet Film Per Coat (microns)			62
Dry Film Per Coat (microns)			21
Recoat Time **			2 Hours

Coating Application Details:
Brush, roller, spray
Stir well before use with a broad, flat paddle using an up and down scooping action. Apply 2 coats of Dulux Professional Enviro2 Interior Semi Gloss. Thin with up to 100ml of water per litre if necessary.

Coat Type:	2nd Coat	Datasheet:	AU_DD02769 Dulux EnvirO2 Water Based Enamel Semi Gloss
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *			16
Wet Film Per Coat (microns)			62
Dry Film Per Coat (microns)			21
Recoat Time **			2 Hours

Coating Application Details:
Brush, roller, spray
Stir well before use with a broad, flat paddle using an up and down scooping action. Apply 2 coats of Dulux Professional Enviro2 Interior Semi Gloss. Thin with up to 100ml of water per litre if necessary.

Coating System Notes:
* Practical Spreading Rate will vary from the quoted Theoretical Spreading Rate due to factors such as method and condition of application and surface roughness.
** Recoat times are quotes for 25°c and 50% relative humidity, these may vary under different conditions.

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Dulux DuSpec Specification Sheet

Dulux Enviro2 Interior Tintable Ceiling Flat on New Plasterboard [Interior] AU_SD17091

Description

Dulux EnvirO2 Ceiling Flat is a very low VOC, low odour premium acrylic paint specifically designed for use on ceilings. It has high opacity and a flat finish to help hide minor surface imperfections and produce a smooth even finish. It contains mould protection to help prevent mould growth.

Substrate And Substrate Preparation

Substrate Notes:	SUBSTRATE / SURFACE DESCRIPTION White plaster is the main ingredient in paperfaced plasterboard, set plaster, fibrous plaster and other similar materials. They are generally used for interior ceilings and walls. MOST COMMON PAPERFACED PLASTERBOARD Paperfaced plasterboard is set plaster sandwiched between cardboard faces. The edges are recessed to allow the joints to be flushed with cornice cement or plaster compound. Paperfaced plasterboard should be flat and smooth on jointed areas, free of dust and have undamaged paper surfaces. Ensure paper has not been scuffed by sanding at jointed areas. Poor flushing of the joints or inadequate priming will cause visual "banding" when painted. Ensure a high quality of levelling and sufficient priming to unify surface porosity. Ensure water resistant grades have been used in areas where steam, condensation or moisture may occur. FIBROUS PLASTER, SET PLASTER Fibrous or set plaster should be inspected for fine surface cracks, uneven trowelling, large cracks & air bubbles. The surface should also be examined for excessive moisture around jointing & scrimmed areas, powdery or weak and "drummy" surface layers and areas of porosity differences and areas contaminated with oily release agents. Jointed areas using added lime should be checked for alkalinity. WATER RESISTANT PLASTERBOARD A paperfaced plasterboard which has been treated with a waterproofing material LEAST COMMON FYRELINE PLASTERBOARD A fire retardant grade of plasterboard. PLASTERGLASS A smooth, white cast plaster with glass fibre reinforcement used mainly for ceilings in Western Australia TBA
Substrate Preparation Notes:	REPAIR SURFACE IMPEFECTIONS Fill cracks and surface imperfections with patching plaster or a suitable filler. Any gaps resulting from structural movement should be filled with a flexible gap sealant. SAND Sandpaper smooth. CLEAN Ensure surface is clean and free from dust. Dust off thoroughly with a damp cloth to remove loosely adhering jointing compound or cornice cement. Nb: Fibrous plaster and set plaster must be sealed with a solvent based pigmented sealer.

Coating System Summary

Primer:	AU_DD02680: Dulux Enviro2 Interior Acrylic Sealer Undercoat
1st Coat:	AU_DD02682: Dulux Enviro2 Interior Tintable Ceiling Flat
2nd Coat:	AU_DD02682: Dulux Enviro2 Interior Tintable Ceiling Flat
Please refer to the coating system details below	

Coating System

Coat Type:	Primer	Datasheet:	AU_DD02680 Dulux Enviro2 Interior Acrylic Sealer Undercoat
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *			14
Wet Film Per Coat (microns)			69
Dry Film Per Coat (microns)			27

Coating Application Details:	Brush, roller, spray Stir well before use with a broad, flat paddle using an up and down scooping action. Apply one coat of Enviro2 Acrylic Sealer Undercoat. Thin with up to 100mls water per litre of paint if necessary.

Coat Type:	1st Coat	Datasheet:	AU_DD02682 Dulux Enviro2 Interior Tintable Ceiling Flat
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *			16
Wet Film Per Coat (microns)			63
Dry Film Per Coat (microns)			17

Coating Application Details:	Brush, roller, spray Stir well before use with a broad, flat paddle using an up and down scooping action. Apply 2 coats of DULUX Professional EnvirO2 Tintable Ceiling Flat. Thin with up to 100ml per litre of water if necessary.

Coat Type:	2nd Coat	Datasheet:	AU_DD02682 Dulux Enviro2 Interior Tintable Ceiling Flat
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *			16
Wet Film Per Coat (microns)			63
Dry Film Per Coat (microns)			17

Coating Application Details:	Brush, roller, spray Stir well before use with a broad, flat paddle using an up and down scooping action. Apply 2 coats of DULUX Professional EnvirO2 Tintable Ceiling Flat. Thin with up to 100ml per litre of water if necessary.
Coating System Notes:	* Practical Spreading Rate will vary from the quoted Theoretical Spreading Rate due to factors such as method and condition of application and surface roughness. ** Recoat times are quotes for 25°c and 50% relative humidity, these may vary under different conditions.

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Dulux EnvirO2 Water Based Enamel Semi Gloss on New Zinc Coated Steel/Galvanised Steel (Commercial) [Interior]

AU_SD17397

Substrate And Substrate Preparation

Substrate Notes:	ZINC COATED STEEL (Galvanised Iron, Galvanised Steel) SUBSTRATE DESCRIPTION GALVANISED STEEL (Zinc Coated Steel, Galvanised Iron) Steel dipped in molten zinc or zinc alloy. Hot dipped galvanised steel has been coated in zinc only. The zinc layer provides galvanic corrosion protection in much the same way that zinc rich primers do, by corroding in preference to the steel with which it is in contact. New galvanised iron, zinc and zinc-alloy surfaces should be examined for flux residues, light roll-forming oils, and foreign matter, all of which must be removed. Surfaces that show white rust or other corrosion products should be cleaned and treated appropriately. Zinc corrosion products are the major cause of paint delamination. Zinc and zinc-alloy coated surfaces must not be primed with alkyd based paints due to chemical reaction between the zinc and the alkyd resin. Dulux advises that galvanised steel can be particularly difficult to paint and protect because of the highly reactive nature of galvanising, particularly in coastal and chemical environments. More information on this matter can be found through our associated industry bodies such as the Zinc Rich Coatings Council (ZRCC) or the Australasian Corrosion Association via the Dulux protective coatings website "www.duluxprotectivecoatings.com.au" Dulux advises that in many circumstances superior corrosion protection and superior compatibility with topcoats can be achieved by the use of Dulux zinc-rich, two-pack primer on mild steel instead of hot dipped galvanising. Please consult a Dulux Protective Coatings representative for specific requirements. Given that there will always be a requirement to change the aesthetics of galvanising, the specification below is provided in good faith to minimise the risks associated with painting galvanised steel structures. ZINC METAL SPRAY Steel sprayed with molten zinc metal. The zinc layer provides corrosion protection in much the same way as hot dipped galvanised steel.
Substrate Preparation Notes:	PZC012 - ZINC COATED STEEL, GALVANISED STEEL MINOR DOMESTIC GALVANISED STEEL CLEAN Remove all surface contamination such as oil, grease or dirt by alkaline detergent solution wash, using stiff bristle brush or broom, and rinse with fresh potable water. Alternatively use high-pressure water blast. Repeat until the surface is clean. A clean surface is indicated when the rinsing water wets out the surface instead of beading on the surface. ABRADE Abrade surface thoroughly using an abrasive nylon pad (such as a Scotchbrite scourer) to remove gloss and to provide a suitable key for the coating system to adhere to. Care must be taken so as not to damage the zinc layer. Wash down residues and allow the surface to dry. PRIME The clean and dry surface must be primed as soon as practical after preparation before the surface oxidises or becomes recontaminated. COMMERCIAL/INDUSTRIAL GALVANISED STEEL 1. Remove all surface contamination such as oil, grease or dirt by washing with an alkaline detergent and rinse with fresh potable water. Repeat until the surface is clean. A clean surface is indicated when the rinsing water wets out the surface instead of beading on the surface. Refer to relevant sections of AS1627.1 2003 Part 2. 2. Dry abrasive "brush blast" clean (whip blast) the surface using a non-metallic abrasive such as garnet. The abrasive size and blast pressure shall be such that all zinc corrosion products and other surface contaminants are completely removed and that the surface is lightly profiled to provide a suitable key for the coating system to adhere to but with minimal reduction in the galvanised coating thickness (no more than 10 microns). 3. If the item being painted is not suitable for brush blasting (eg zinc coated, sheet steel cladding) then use non-metallic abrasive sanding pads to remove any existing corrosion and provide a suitable key for coating adhesion. Note that this preparation method is likely to be less effective than brush blasting and should only be used where brush blasting is not suitable. 4. Remove all spent abrasive and residual dust using dry compressed air or, preferably, vacuum cleaning prior to application of the coating. Avoid handling blasted galvanised steel with bare hands. 5. If the zinc coating has been accidentally removed, spot repair all such areas using a zinc rich primer compatible with the coating system. 6. Inspect the surface prior to coating to ensure no contamination is present and no surface defects exist. 7. If either contaminants or defects are present, rectification is required before any coating is applied. 8. Apply first or primer coat as soon as practical after preparation and before the surface oxidises or becomes re-contaminated. Surface Preparation Inspect roof condition. This will determine the required preparation. Where required, replace rusted fixing and /or badly rusted sheets. Substrate condition must be of consistent density/integrity and not subject to continual wetting or other conditions that may cause premature coating failure. Unweathered metal will require de-greasing High pressure water blast, to a minimum of 3000 PSI to remove dirt, excess grime, lichen/moss, oil (a detergent maybe required) and all other contaminants in accordance with AS1627.1. AIRLESS SPRAY Standard airless spray equipment such as a Graco 695 to1095 with a fluid tip of 19-21 thou (0.48-0.53mm) and an air supply capable of delivering 550-690 kPa (80 -100 psi) at the pump. Thinning is not normally required. Note: Ensure all down pipes or water connection points are disconnected prior to commencement of cleaning.

Coating System Summary

Primer:	AU_DD02066: Dulux Precision Maximum Strength Adhesion Primer
1st Coat:	AU_DD02769: Dulux EnvirO2 Water Based Enamel Semi Gloss
2nd Coat:	AU_DD02769: Dulux EnvirO2 Water Based Enamel Semi Gloss

Please refer to the coating system details below

Coating System

Coat Type:	**Primer**	**Datasheet:**	**AU_DD02066 Dulux Precision Maximum Strength Adhesion Primer**

Application Methods:

Air Spray, Airless Spray, Brush, Roller, Other

Airless Spray:
Tip: 0.015" - 0.021"
Filter: 60 Mesh
Fluid Pressure: 2,500 - 3,200 psi

Roller:
Smooth surfaces: 9-12mm
Porous surfaces: 12- 19mm

Brush: Nylon/ Polyester Blend

	Min	Max	Recommended
Theoretical Spread Rate *	7.3	10	10
Wet Film Per Coat (microns)	100	137	100
Dry Film Per Coat (microns)	42	58	42
Recoat Time **	1 hour	30 days	1-2 hours

Coating Application Details:

Eye protection is recommended.

Only apply if surface, air and product temperatures are between 10°C and 32°C.
Apply using a brush, roller or spray.
Brush – High quality Nylon/Polyester
Roller – High quality 9-12mm nap on smooth surfaces or 12-19mm nap on semi-rough or porous surfaces.
Airless spray – 0.015" - 0.021" tip / 60 mesh filter @ 2,500 – 3,200 PSI
For spray applications, a small amount of water (no more than 100mls per 1 Litre) may be added.
Stir thoroughly before and occasionally during use.

Coat Type:	**1st Coat**	**Datasheet:**	**AU_DD02769 Dulux EnvirO2 Water Based Enamel Semi Gloss**

Application Methods:

Air Spray, Airless Spray, Brush, Roller

	Min	Max	Recommended
Theoretical Spread Rate *			16
Wet Film Per Coat (microns)			62
Dry Film Per Coat (microns)			21
Recoat Time **			2 Hours

Coating Application Details:

Brush, roller, spray
Stir well before use with a broad, flat paddle using an up and down scooping action. Apply 2 coats of Dulux Professional Enviro2 Interior Semi Gloss. Thin with up to 100ml of water per litre if necessary.

Coat Type:	**2nd Coat**	**Datasheet:**	**AU_DD02769 Dulux EnvirO2 Water Based Enamel Semi Gloss**

Application Methods:

Air Spray, Airless Spray, Brush, Roller

	Min	Max	Recommended
Theoretical Spread Rate *			16
Wet Film Per Coat (microns)			62
Dry Film Per Coat (microns)			21
Recoat Time **			2 Hours

Coating Application Details:

Brush, roller, spray
Stir well before use with a broad, flat paddle using an up and down scooping action. Apply 2 coats of Dulux Professional Enviro2 Interior Semi Gloss. Thin with up to 100ml of water per litre if necessary.

Coating System Notes:	* Practical Spreading Rate will vary from the quoted Theoretical Spreading Rate due to factors such as method and condition of application and surface roughness. ** Recoat times are quotes for 25°c and 50% relative humidity, these may vary under different conditions.

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Dulux DuSpec Specification Sheet

Dulux EnvirO2 Water Based Enamel Semi Gloss on New Moisture Resistant Plasterboard (MRP) [Interior] AU_SD18222

Substrate And Substrate Preparation

Substrate Notes:	WATER RESISTANT PLASTERBOARD A paperfaced plasterboard which has been treated with a waterproofing material
Substrate Preparation Notes:	PPL008 - PLASTER PRODUCTS REPAIR SURFACE IMPEFECTIONS Fill cracks and surface imperfections with patching plaster or a suitable filler. Any gaps resulting from structural movement should be filled with a flexible gap sealant. SAND Sandpaper smooth. CLEAN Ensure surface is clean and free from dust. Dust off thoroughly with a damp cloth to remove loosely adhering jointing compound or cornice cement. Nb: Fibrous plaster and set plaster must be sealed with a solvent based pigmented sealer

Coating System Summary

Primer:	AU_DD02680: Dulux Enviro2 Interior Acrylic Sealer Undercoat
1st Coat:	AU_DD02769: Dulux EnvirO2 Water Based Enamel Semi Gloss
2nd Coat:	AU_DD02769: Dulux EnvirO2 Water Based Enamel Semi Gloss

Please refer to the coating system details below

Coating System

Coat Type:	**Primer**	**Datasheet:**	**AU_DD02680 Dulux Enviro2 Interior Acrylic Sealer Undercoat**
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *			14
Wet Film Per Coat (microns)			69
Dry Film Per Coat (microns)			27

Coating Application Details:	Brush, roller, spray Stir well before use with a broad, flat paddle using an up and down scooping action. Apply one coat of Enviro2 Acrylic Sealer Undercoat. Thin with up to 100mls water per litre of paint if necessary.

Coat Type:	**1st Coat**	**Datasheet:**	**AU_DD02769 Dulux EnvirO2 Water Based Enamel Semi Gloss**
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *			16
Wet Film Per Coat (microns)			62
Dry Film Per Coat (microns)			21
Recoat Time **			2 Hours

Coating Application Details:	Brush, roller, spray Stir well before use with a broad, flat paddle using an up and down scooping action. Apply 2 coats of Dulux Professional Enviro2 Interior Semi Gloss. Thin with up to 100ml of water per litre if necessary.

Coat Type:	2nd Coat	Datasheet:	AU_DD02769 Dulux EnvirO2 Water Based Enamel Semi Gloss
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *			16
Wet Film Per Coat (microns)			62
Dry Film Per Coat (microns)			21
Recoat Time **			2 Hours

Coating Application Details:	Brush, roller, spray Stir well before use with a broad, flat paddle using an up and down scooping action. Apply 2 coats of Dulux Professional Enviro2 Interior Semi Gloss. Thin with up to 100ml of water per litre if necessary.
Coating System Notes:	* Practical Spreading Rate will vary from the quoted Theoretical Spreading Rate due to factors such as method and condition of application and surface roughness. ** Recoat times are quotes for 25°c and 50% relative humidity, these may vary under different conditions.

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Dulux DuSpec Specification Sheet Dulux POWDER COATINGS

Dulux Powder Coatings Duratec Zeus® Solid Colour Range / C1-C5 Corrosivity Zone / Sheet and Extruded on New Aluminium [Interior/Exterior] AU_SP15643

Substrate And Substrate Preparation

Substrate Notes:	Aluminium - extruded, sheet and coil aluminium of an alloy type suitable for architectural exterior use. All substrates should be in new condition. The edge radii shall be as large as possible for substrates with sharp edges an etch rate of >2gm/m2, is required. All Dulux Powder Coatings performance claims are based on significant surfaces as described in Australian Standard AS 3715. Metal Finishing Thermoset Powder Coatings for Architectural Applications of Aluminium and Aluminium Alloys.
Substrate Preparation Notes:	PREPARATION FOR ALUMINIUM SUBSTRATES Etch; • The etch process is an important stage of pre-treatment and close consultation with your pre-treatment supplier is strongly recommended to ensure optimum adhesion & corrosion resistance is obtained. • Etch rates must be a minimum of 1gm/m². Chrome Conversion Coatings; • Chrome conversion weights must be a minimum of 431mg/m². Chrome-free conversion coatings; • Chrome-free refer to your pre-treatment supplier as currently no standards address chromefree. Final deionised water rinse; • The conductivity of the final rinse water draining from the aluminium articles must be less than 30 micro Siemens/cm² at 20°C. Post rinse dry off temperature - consult your pre-treatment supplier but generally; • < 75° C for chrome pre-treatment, • < 120° C for chrome-free pre-treatment. Pre-treated aluminium must be handled very carefully with clean lint-free gloves and powder coated within the time specified by the pretreatment supplier - this is generally within 16 to 48 hours. Dulux Accredited Powder Coaters must comply with the metal pretreatment guidelines set out in the Accredited Alumi Shield™ Manual.

Coating System

Coat Type:	**1st Coat**	**Datasheet:**	**AU_DP02815 Dulux Powder Coatings Duratec Zeus® Solid Colour Range**
Application Methods:	Electrostatic Spray Factory Applied		

	Min	Max	Recommended
Dry Film Per Coat (microns)	60	120	80

Coating Application Details:	Electrostatic Spray.
Additional Coating Details:	Recommended 80µm, range 60-120µm. NOTE: For optimum coverage and colour consistency white & light colours require a tighter film build range of 70-100µm.
Coating System Notes:	Theoretical Coverage rate at recommended film thickness; A coverage rate of 810m²/kg corresponds to 80µm cured film thickness assuming minimal loss i.e., over sprayed powder is reclaimed or recycled, sieved and mixed with virgin (fresh) powder under controlled conditions – a general rule of thumb is < 20% of reclaim powder continuously added to the fresh (virgin) powder to maintain a consistent finish. Extra care should be taken with reclaiming blended products. Practical coverage rates will vary due to such factors as method of application, surface profile and texture.

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Dulux DuSpec Specification Sheet

Dulux AcraTex AcraShield Advance / Dulux AcraTex Renderwall Float Finish on New Brick/Blockwork [Exterior] AUSA5507

Description

High Build Levelling and Finishing System for new Brick & Blockwork.
Incorporating:
AcraTex RenderWall a Cementitious Render to level irregularities and produces a high quality even surface for absorbent masonry substrates When finish will resemble that of a coarse granular render which is sponge floated.
.
AcraTex Green Render Sealer deigned to reduce the normal site mixed cement render "28 day /Bagged Render 7-10 days wait cycle "
- Green Render Sealer can be applied over 2 day old cement render providing moisture content has stabilised.

AcraTex AcraShield, weather-proofing topcoat, applied by conventional NAP roller to provide, a paint like appearance with excellent water impermeability, resistance to mould and mildew, mid build crack bridging performance for long term protection of cement render substrates.

Cement Render is hard and brittle due to the inherent nature of cement. Cement render will develop shrinkage cracks on aging and continues to harden (Hydration process) over its life cycle, further increasing risk of cracking. - Dulux does not recommend low build (conventional) paint finishes over cement render.

A DULUX warranty will be provided confirming protection against flaking & peeling for a period of Seven years when this AcraTex system is applied by a DULUX AcraTex trained applicator, according to specification, & at the specified spreading rates, & to the surface preparation details described in the DULUX AcraTex Specification Manual

Refer Dulux Representative for specific project advice relative to site conditions.

Substrate And Substrate Preparation

Substrate Notes:	BRICK Bricks are predominantly kiln-fired clay, which can be glazed or unglazed. The glazing on glazed bricks should be ground or scabbled to improve adhesion of the coating system. Brickwork is often raked, so rendering requires much more material than face-laid brickwork. The surface must be clean & sound, free of dirt, grime, mould, fungus, stains, powdery mortar smears & all other contaminants. The surface should be examined to determine if it has been laid to specification (flush jointed or face laid) and that the surface variation is within acceptable tolerances. If applying a texture coating, the degree to which the texture coating camouflages flush walls depends on how flush the substrate has been constructed. BLOCKWORK Blockwork is largely cement based and highly porous, and usually flush-laid. The surface should be examined to determine if it has been laid to specification (flush jointed or face laid) and that the surface variation is within acceptable tolerances. The degree to which texture coatings camouflage flush walls depends on how flush the substrate has been constructed.
Substrate Preparation Notes:	ASSESS SUITABILITY Concrete, mortar and cement based products need to be fully cured for at least 28 days before painting. REMOVE POWDER LAYERS &; EFFLORESCENCE Remove any powdery layers, laitance or efflorescence by detergent cleaning, wire brushing, water blasting or a suitable chemical treatment. CLEAN Clean the surface thoroughly by water blasting or detergent cleaning, where a commercial cleaner is added to hot or cold water and surface is washed / scrubbed thoroughly with a stiff bristle broom and then rinsed clean with fresh water. This may need to be repeated on extremely dirty surfaces to ensure removal of efflorescence or other poorly bonded surface material. Ensure that the surface is dry, clean and free from dust. REPAIR SURFACE IMPERFECTIONS Fill any cracks or surface imperfections with a suitable filler or patching compound. Any gaps resulting from structural movement should be filled with sikadur 31 a two pot epoxy and applied into the crack and smoothed off with a margin trowel. RENDERING OF NEW BRICK/ BLOCKWORK &; MASONRY (WHERE SPECIFIED TO LEVEL THE BRICK/MORTAR PATTERN) : Trowel apply a basecoat of Dulux AcraTex Renderwall over entire substrate at approximately 6mm to 8mm in thickness until flush. A Screed or darby may be used to level the renderwall prior to floating with a plastic or wooden float.Renderwall can be applied at a thickness as low as 4mm (with addition of Acrabond a 100% acrylic resin at 250ml per mix) or above 12mm (in two successive coats) relative to the degree of cover required, if desired 150grams Alkali mesh maybe embedded into the base coat.
Additional Notes:	COATING CONSIDERATIONS FOR NEW RENDERS All renders produce surface cracking whilst drying & curing which continue to expand & contract during daily temperature fluctuations allowing water ingress and causing potential discolouration and coating failure. The specified coating needs to accommodate the render's thermal dynamics, protect from atmospheric pollutants, salt air, water ingress, alkali attack, dirt accumulation and carbon dioxide. Recommendation is a "High Build Acra-Tex Elastomeric Coating System. Dark colours increase expansion/contraction of a substrate due to heat absorbed and should be avoided where possible or extra design relief should be added to building's design. The coastal area is considered a marine environment and as such salt potentially can shorten the life of the coating systems. Care needs to be taken to wash down all areas twice. Once to remove surface contaminants, and raise salts to the surface and then secondly to remove these salts. Due to the locality, Weather conditions and lag time between applications of the coating system it may require the need to wash again, between coats. .

Coating System Summary

Prep Coat:	AU_DA02854: Dulux AcraTex RenderWall AcraBuild
1st Coat:	AUDA1582: Dulux AcraTex Green Render Sealer
2nd Coat:	AUDA0432: Dulux AcraTex AcraShield Advance
3rd Coat:	AUDA0432: Dulux AcraTex AcraShield Advance
Please refer to the coating system details below	

Coating System

Coat Type:	Prep Coat	Datasheet:	AU_DA02854 Dulux AcraTex RenderWall AcraBuild

Application Methods: Trowel, Other

Hawk and trowel. Sponge Finished

	Min	Max	Recommended
Theoretical Spread Rate *	0.3	0.2	0.2
Wet Film Per Coat (microns)	4000	6000	6000
Dry Film Per Coat (microns)	4000	6000	6000
Recoat Time **	7-10days	Indefinite	

Coating Application Details:

.
With the addition of DULUX AcraTex 500/4 AcraBond to DULUX AcraTex Renderwall in accordance with recomendations, the recoat time will be 7 days.

Product usage Scaling factor = 1.7 kg (dry powder) per sqm per 1mm thick
(eg. a 6mm thick application requires (6 x 1.7) = 10.2 kg per sqm of Renderwall powder)
DULUX AcraTex RenderWall Acrabuild can be applied by traditional Hawk & Trowel method or via Render Pump in single application from 4-6mm or up to 12mm thick in multiple applications.

MIXING
The water-liquid (gauging liquid) component should be first measured into suitable containers or mixing devices and the powder slowly incorporated during agitation.

Mix Ratio (approx. 15L mixed Dulux AcraTex RenderWall Acrabuild
¦ 20kg (1 full bag) of Dulux AcraTex RenderWall Acrabuild Plus
¦ Approx 3.5 litres of fresh clean water Refer to SAFETY for handling instructions
¦ Measure the water component into a 15L pail and add the powder while mixing with a suitable power Mixing Drill
¦ Allow to stand for 3-5 minutes
¦ Remix and adjust consistency with up to 0.5L additional water (once) relative to application requirement

Renders beyond this thickness do not require the addition of AcraBond, providing the ambient temperature is not too high that it will cause rapid moisture loss & drying. In such conditions wetting or tempering of the freshly applied RenderWall is recommended.

Additional Coating Details:

Spread Rate will vary due to substrate imperfection.
Scaling factor is 1.7kg of 500/5 Renderwall per 1m2
Ensure minimum 7 day curing.
The addition of 500/4 AcraBond is recommended.
This can be achieved in one full pass of RenderWall® or in two "wet on wet" application/passes to suit applicator preferences.
Refer Data Sheet for full recommendations for build to substrate requirements.

Coat Type:	1st Coat	Datasheet:	AUDA1582 Dulux AcraTex Green Render Sealer

Application Methods: Air Spray, Airless Spray, Brush, Roller, Other

Brush, Roller and Airless Spray

	Min	Max	Recommended
Theoretical Spread Rate *	8	8	8
Wet Film Per Coat (microns)	125	125	125
Dry Film Per Coat (microns)	43.75	43.75	43.75
Recoat Time **	2 hrs	indefinite	

Coating Application Details:

Brush, roller and airless spray
Brush and roll at the same time to avoid picture framing.
Product should be thoroughly mixed before use. Refer to the DULUX AcraTex Application Manual for detailed instructions.
A 10-20mm nap roller is used depending on the type of surface profile being overcoated.
Typical Airless Spray set up is: Graco Ultra 500 using 0.017-0.019 spray tip at approx. 1000 psi.

Additional Coating Details:

Where the substrate is friable or powdery, substitute AcraPrime 501/2 Deep Penetrating Solvent based sealer in lue of GRS.

Coat Type:	2nd Coat	Datasheet:	AUDA0432 Dulux AcraTex AcraShield Advance

Application Methods: Air Spray, Airless Spray, Brush, Roller, Other

Brush, roller and airless spray

	Min	Max	Recommended
Theoretical Spread Rate *	6	4.5	6
Wet Film Per Coat (microns)	167	222	167
Dry Film Per Coat (microns)	75	100	75
Recoat Time **	2 Hours	indefinite	

Coating Application Details:

Brush, roller and airless spray
Brush and roll at the same time to avoid picture framing.
Product should be thoroughly mixed before use. Refer to the DULUX AcraTex Application Manual for detailed instructions.
DULUX AcraTex AcraShield may be applied by brush, roller or airless spray.
A 10-20mm nap roller is used depending on the type of texture being overcoated.
Typical Airless Spray set up is: Graco Ultra 500 using 0.019-0.021 spray tip at approx. 1000 psi.

Additional Coating Details:

Ensure full wet on wet application and lapping to edges to avoid picture framing.
Multiple coat application (reducing the first coat by 10% with water) greatly reduces the likleyhood of picture framing and roller marks caused by uneven application.

Coat Type:	3rd Coat	Datasheet:	AUDA0432 Dulux AcraTex AcraShield Advance

Application Methods: Air Spray, Airless Spray, Brush, Roller, Other

Brush, roller and airless spray

	Min	Max	Recommended
Theoretical Spread Rate *	6	4.5	6
Wet Film Per Coat (microns)	167	222	167
Dry Film Per Coat (microns)	75	100	75
Recoat Time **	2 Hours	indefinite	

Coating Application Details:

Brush, roller and airless spray
Brush and roll at the same time to avoid picture framing.
Product should be thoroughly mixed before use. Refer to the DULUX AcraTex Application Manual for detailed instructions.
DULUX AcraTex AcraShield may be applied by brush, roller or airless spray.
A 10-20mm nap roller is used depending on the type of texture being overcoated.
Typical Airless Spray set up is: Graco Ultra 500 using 0.019-0.021 spray tip at approx. 1000 psi.

Additional Coating Details:

Ensure full wet on wet application and lapping to edges to avoid picture framing.

Apply in full accordance with Product and Application data sheets - by nap roller working well into the substrate profile.
If applied by NAP ROLLER an extra coat/s maybe required to achieve the full system minimum 955 AcraSheild top coating DFT of 150 microns.

Ensure adequate batch tint lots to achieve coverage over single elevations to ensure colour consistency.
It is recommended to hold a volume of finish material for future maintenance touch-ups.

Comments

- Practical spreading rates will vary from quoted theoretical figures depending on substrate porosity, surface roughness, overspray losses, application methods and environmental conditions (e.g. wind).

  All preparation and painting must conform to AS2311: The Painting of Buildings
  Do not apply paint if Relative Humidity is above 85% or temperature is within 3°C of Dew Point.
  Do not apply if the surface temperature is greater than 40°C or below 10°C, or likely to fall below 10°C during the application or drying period.
  Dry times apply to a single coat at recommended spread rate and at 25°C and 50% Relative Humidity
  Allow longer times under cool, moist, or still conditions and or when applied at high film builds.
  Protect from dew, rain and frost for 48 hours when apply at the recommended spread rate.
  Avoid application in hot, windy conditions or on hot surfaces cool the surface by hosing with water and paint the cool damp surface.

  When using Bright Reds, Oranges, Blues and Yellows or where very light (or dark) colours are applied over highly contrasting colours an extra coat maybe required.
  Dulux recommend full coating systems including a top coat. For ALL systems the Texture &/or Base Coat should be tinted in accordance with AcraTex Tint Guide to the specified membrane top coat colour (or a colour as close as possible to the specified colour as product and tint rules allow).
  Application techniques should be adjusted to achieve the recommended DFT and finishing standard.

  To avoid "Picture Framing" of texture topcoats "wet on wet" cutting in & coating technique is recommended or apply multiple coats thinning the first coat.

At Commencement of coating system application to the substrate it shall be deemed that the Applicator has certified that the surface which it is to be applied to is fit to receive the specified coating(s) system.

When the Applicator is preparing the site sample for approval he should advise the Project Superintendent if the substrate condition is not of sufficient standard to produce the specified finish.

Where possible avoid dark colours - these will give raise to much higher surface temperature that may cause addition thermal stress and cooling demand to the building envelope and/ or require extra engineering considerations (greater building costs).
Consult Dulux on the potential to use InfraCOOL Heat Reflective Coatings that will keep the surface cooler “like for like” colour.

Glancing light
Joints and panel deformation may be clearly evident under glancing light, casting visible shadows of the minute and uneven projections of the joints. Glancing light is light that is nearly parallel to the surface of the wall and casts visible shadows and uneven projections of the joints. Just like rendered masonry/ Jointed system any uneven projections will be highlighted and as such are outside the control / scope of this specification. Refer http://www.dulux.com.au/pdf/tech-advice/DLX_TECH_Glancing-Light.pdf

The coastal area is considered a marine environment and as such salt potentially can shorten the life of the coating systems. Care needs to be taken to wash down all areas twice. Once to remove surface contaminants, and raise salts to the surface and then secondly to remove these salts. Due to the locality, Weather conditions and lag time between applications of the coating system it may require the need to wash again, between coats.

This specification is to be read in conjunction with DULUX product data sheets
A DULUX warranty can be provided on request, when the FULL AcraTex system including a membrane topcoat/s is applied by a DULUX AcraTex trained applicator, according to specification, & at the specified spreading rates, & to the surface preparation details described in the DULUX AcraTex Specification Manual.
The dynamics of the substrate is outside the control of Dulux Australia and as such joint deformation or cracking is excluded from warranty terms. Colour change is a natural part of a coating weathering and is excluded from warranty terms
Refer warranty document for full terms and conditions.

Fungi and Algae can exist on virtually any surface (even glass) provided the right conditions for growth are met.
Visible growth on painted surfaces is typically caused by contaminants present together with the presence of high enough levels of moisture to support growth.
Agents in paints become ineffective where they cannot “touch” the growth source (eg where growth emanates from deposits on the film). Additionally the active agents are “consumed” in the process such that protection is time limited where conditions support ongoing growth performance is greatly improved with the inclusion of a membrane Top coat like AcraShield, Elastomeric 201 or AcraSkin.
Refer: http://www.dulux.com.au/specifier/our-brands/dulux-acratex/more-than-just-render

The exterior texture coatings should be cleaned on a regular basis. This will help maintain your overall aesthetic appearance and preserve your AcraTex Texture coating system. Cleaning once every year will remove light soil as well as grime and airborne pollutants refer Dulux AcraTex Care & Maintenance Guide
http://www.dulux.com.au/specifier/our-brands/dulux-acratex/acratex-care-and-maintenance

When using this specification, the Applicator shall maintain records in accordance with AS 3894 Parts 10, 11 and 12 and others as required by the Project Manager. These records shall be made available for inspection at any time by the Project Manager or authorised representative and submitted to the Principal Contractor upon completion of work.

When using this specification, the Applicator shall maintain records in accordance with AS 3894 Parts 10, 11 and 12 and others as required by the Project Manager. These records shall be made available for inspection at any time by the Project Manager or authorised representative and submitted to the Principal Contractor upon completion of work.

SURFACTANT LEACHING FROM EXTERIOR WATER-BASED COATINGS
Occasionally amber, clear or white spots/streaks are seen on a newly painted surface within the first few weeks after application. They usually appear after light rain or overnight dew and generally located in sheltered areas or areas with limited sun exposure. Under normal conditions surfactant contained in the tinted paint colour is slowly leached to the surface and washed away by rain leaving no trace and is a normal part of drying of any exterior water-based paint. Under certain atmospheric conditions and these surfactants leach or migrate to the paint surface, is concentrated forms and leaves clear or white deposits upon drying. These conditions include cool or humid weather or painting cold substrate and in most cases these marks on the wall surfaces are more noticeable on dark colours, such as browns or dark greens, etc..
The clear/white surfactants that have migrated to the wall surface areas will cause no down grading nor performance changes or long term durability concerns of the paint films integrity and unfortunately have become an appearance issue instead.
They easily removed from the paint film within a week or so of their appearance by washing with warm water & commercial grade detergent or via Nifti or Spray'n'Wipe followed by rinsing with fresh clean water.
Under severe conditions they may reappear once or twice until all the surfactant has been removed. It will be less noticeable each time, and can be removed in the same manner as before. Refer http://www.dulux.com.au/pdf/tech-advice/DLX_TECH_Leaching.pdf

Images

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Dulux DuSpec Specification Sheet

Dulux Weathershield Low Sheen on New PVC [Exterior] AUSD4916

Description

A full exterior acrylic low sheen for plastic's and PVC material

Substrate And Substrate Preparation

Substrate Notes:	Painting of some plastics such as polyethylene, polypropylene, fluorinated plastics, plasticised PVC (vinyls) is not practicable without specialised surface treatments or factory methods. Other plastics such as rigid PVC, polyurethanes, polystyrene, polyesters, acrylics, phenol formaldehyde plastics can be painted after removal of surface contaminants and preparation with correctly selected systems. It is therefore important to identify (and specify) plastics with these painting difficulties in mind. PERSPEX Perspex is an optically clear thermoplastic resin (polymethylmethacrylate) used as a substitute for glass in certain applications. POLYCARBONATE Polymeric material which is tougher and more impact resistant, but more prone to scratching than perspex. The weather side is acrylic glazed. Note that this product has relatively high expansion in the heat, which may cause paint systems to delaminate. POLYSTYRENE A thermoplastic polymer of styrene expanded with a gas to produce a lightweight, rigid white material with excellent thermal insulation properties. Used for architectural mouldings. POLYURETHANE A rigid, strong thermoset resin used (among other things) to encase and strengthen polystyrene mouldings. It is also the resin for two pack polyurethane paints. PVC Polyvinyl chloride is a colourless thermoplastic resin (usually pigmented) with good resistance to acids, alkalis and water.
Substrate Preparation Notes:	PPC011 - Perspex / Polycarbonate / Polystyrene / Polyurethane / PVC ASSESS SUITABILITY Inspect to determine the degree of deterioration of existing coatings. Check coating adhesion using the cross-hatch test. CLEAN SURFACE Clean to remove all dirt, dust and all other surface contaminants by using a suitable cleaning agent and rinsing / water blasting clean with water. Treat mould with a suitable mould treatment and rinse clean. REPAIR SURFACE IMPERFECTIONS Prepare all areas that have poor adhesion, are cracking, peeling and flaking by sanding, power sanding, scraping, wire brushing or burning off as appropriate. Feather edges of the surrounding sound paint to completely remove visual ridges and wash / dust off to remove debris. Any major design faults leading to structural failure must be corrected prior to repainting. SANDING Sand the entire cleaned substrate to an even flat gloss level to provide a smooth, even surface and to provide a good key for the new coating system to adhere to. PRIME Prime any bare areas with a suitable primer. Specification

Coating System Summary

Primer:	AU_DD02066: Dulux Precision Maximum Strength Adhesion Primer
1st Coat:	AUDD0053: Dulux Weathershield Low Sheen
2nd Coat:	AUDD0053: Dulux Weathershield Low Sheen

Please refer to the coating system details below

Coating System

Coat Type:	Primer	Datasheet:	AU_DD02066 Dulux Precision Maximum Strength Adhesion Primer

Application Methods:

Air Spray | Airless Spray | Brush | Roller | Other

Airless Spray:
Tip: 0.015" - 0.021"
Filter: 60 Mesh
Fluid Pressure: 2,500 - 3,200 psi

Roller:
Smooth surfaces: 9-12mm
Porous surfaces: 12- 19mm

Brush: Nylon/ Polyester Blend

	Min	Max	Recommended
Theoretical Spread Rate *	7.3	10	10
Wet Film Per Coat (microns)	100	137	100
Dry Film Per Coat (microns)	42	58	42
Recoat Time **	1 hour	30 days	1-2 hours

Coating Application Details:

Eye protection is recommended.

Only apply if surface, air and product temperatures are between 10°C and 32°C.
Apply using a brush, roller or spray.
Brush – High quality Nylon/Polyester
Roller – High quality 9-12mm nap on smooth surfaces or 12-19mm nap on semi-rough or porous surfaces.
Airless spray – 0.015" - 0.021" tip / 60 mesh filter @ 2,500 – 3,200 PSI
For spray applications, a small amount of water (no more than 100mls per 1 Litre) may be added.
Stir thoroughly before and occasionally during use.

Coat Type:	1st Coat	Datasheet:	AUDD0053 Dulux Weathershield Low Sheen
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *	16	16	16
Wet Film Per Coat (microns)	63	63	63
Dry Film Per Coat (microns)	24	24	24
Recoat Time **	2 Hours	Indefinite	

Coating Application Details:

Brush, roller, conventional and airless spray
*Some colours may require more than the recommended number of coats to achieve full opacity. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), when painting over contrasting colour, apply 1 coat of Dulux 1Step prepcoat.
Check the weather forecast. Do not paint on excessively cold or humid days. Exposure to rain or overnight dew whilst drying may result in the coating being damaged or removed. If painting during the hottest time of the day, cool the surface by hosing before painting and paint on the shady side of the house.
Stir contents thoroughly before and during use with a broad flat stirrer, using an upward lifting action.
Brush/Roller: Soak brush or roller in water before starting and use while still slightly damp. Thinning is usually not required.
Airless or Conventional Spray: Suitable for application by all standard spray equipment. Apply wet even coats. If necessary thin with up to 100 ml/litre water to aid atomisation.
Under hot or very windy conditions, up to 100 ml/litre of DULUX Hot Weather Thinner may be added to ease application.

Within 1km of sea for GALVANISED IRON, ZINCALUME : Apply one coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.

STEEL/WROUGHT IRON : Apply 2 coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.
BARE SURFACES including BRICK, MASONRY, FIBRE CEMENT, ZINCALUME : Apply 3 coats of Weathershield.
GALVANISED IRON : Apply 3 coats of Weathershield. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), apply 1 coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.
For ZINCALUME/GALVANISED IRON ROOFS: Apply 3 coats of Weathershield. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), apply 1 coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.
BARE UNPAINTED TIMBER: Apply 3 coats of Weathershield. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), for improved resistance to cracking on hardwoods (eg Mt Ash, Oak), apply a coat of Dulux 1Step Prepcoat prior to the application of two topcoats of Weathershield.

On PREVIOUSLY PAINTED SURFACES, apply 2 coats of Weathershield.

Preparation/coating system can vary depending on the quality and conditions of PRE-PRIMED TIMBER/FIBRE CEMENT, COLORBOND(R) & COLORSTEEL(R) and TILT-UP & PRECAST CONCRETE surfaces. For help and advice, please call Dulux Help & Advice on 13 25 25 for specific guidance.

Professional Painters refer to Duspec Specification Sheets to qualify for guarantee.

Coat Type:	2nd Coat	Datasheet:	AUDD0053 Dulux Weathershield Low Sheen
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *	16	16	16
Wet Film Per Coat (microns)	63	63	63
Dry Film Per Coat (microns)	24	24	24
Recoat Time **	2 Hours	Indefinite	

Coating Application Details:

Brush, roller, conventional and airless spray
*Some colours may require more than the recommended number of coats to achieve full opacity. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), when painting over contrasting colour, apply 1 coat of Dulux 1Step prepcoat.
Check the weather forecast. Do not paint on excessively cold or humid days. Exposure to rain or overnight dew whilst drying may result in the coating being damaged or removed. If painting during the hottest time of the day, cool the surface by hosing before painting and paint on the shady side of the house.
Stir contents thoroughly before and during use with a broad flat stirrer, using an upward lifting action.
Brush/Roller: Soak brush or roller in water before starting and use while still slightly damp. Thinning is usually not required.
Airless or Conventional Spray: Suitable for application by all standard spray equipment. Apply wet even coats. If necessary thin with up to 100 ml/litre water to aid atomisation.
Under hot or very windy conditions, up to 100 ml/litre of DULUX Hot Weather Thinner may be added to ease application.

Within 1km of sea for GALVANISED IRON, ZINCALUME : Apply one coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.

STEEL/WROUGHT IRON : Apply 2 coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.
BARE SURFACES including BRICK, MASONRY, FIBRE CEMENT, ZINCALUME : Apply 3 coats of Weathershield.
GALVANISED IRON : Apply 3 coats of Weathershield. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), apply 1 coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.
For ZINCALUME/GALVANISED IRON ROOFS: Apply 3 coats of Weathershield. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), apply 1 coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield.
BARE UNPAINTED TIMBER: Apply 3 coats of Weathershield. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), for improved resistance to cracking on hardwoods (eg Mt Ash, Oak), apply a coat of Dulux 1Step Prepcoat prior to the application of two topcoats of Weathershield.

On PREVIOUSLY PAINTED SURFACES, apply 2 coats of Weathershield.

Preparation/coating system can vary depending on the quality and conditions of PRE-PRIMED TIMBER/FIBRE CEMENT, COLORBOND(R) & COLORSTEEL(R) and TILT-UP & PRECAST CONCRETE surfaces. For help and advice, please call Dulux Help & Advice on 13 25 25 for specific guidance.

Professional Painters refer to Duspec Specification Sheets to qualify for guarantee.

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Dulux DuSpec Specification Sheet

Dulux

Dulux Roadmaster WB2 Road Marking on New Concrete flooring/paths [Interior/Exterior]

AUSI1736

Description

Roadmaster® WB2 is a waterborne, fast-drying line-marking paint. Roadmaster® WB2 supports the incorporation of large, VISY® drop-on reflective glass beads.

Substrate And Substrate Preparation

Substrate Notes:	CONCRETE A mixture of Portland cement, fine and coarse mineral aggregates, water and additives. Concrete is generally reinforced with mild steel bars and/or mesh. Unless the concrete is suitably coated, it is prone to spalling, particularly in or near cities, industrial areas and near the coast.
Substrate Preparation Notes:	ASSESS SUITABILITY New concrete floors shall be cured for 28 days minimum. If a wax based curing compound has been used, the coating of the concrete is not recommended as the wax prevents adhesion to the concrete. CLEAN Remove all surface contamination such as dirt, dust, curing compounds, bond breakers, grease or oils by washing with a free-rinsing, alkaline detergent, such as Gibson F310B or Gamlen CA No. 1 in strict accordance with the manufacturers written instructions. Pay attention to, and conform to, all safety warmings. Oil or grease stains may require steam cleaning. Rinse with fresh water to remove all detergent residues. A clean surface is indicated when the rinsing water wets out the surface instead of beading on the surface. Repeat until the surface is clean. ABRADE Diamond grind, track blast or shot blast the floor to remove surface laitance and create a sound, profiled substrate for topcoating. All surfaces should be clean and dry prior to coating. Ensure the surface is dry - moisture content must be less than 10% when checked with a moisture meter. COAT Apply the floor coating system in strict accordance with the technical data sheets and specification without delay before the floor becomes recontaminated. REPAIR SURFACE IMPERFECTIONS Fill all cracks, blowholes and other imperfections with a suitable solvent tolerant filler and allow to cure. Do NOT fill expansion joints. Use an epoxy filling mortar to fill any cracks, defects or blowholes in the concrete. CHECK MOISTURE Ensure that the floor is dry before coating; check that the moisture content of the bare concrete is no greater than 10% using a standard moisture metre.

Coating System Summary

1st Coat:	AUDI1152: Dulux Roadmaster WB2 Road Marking

Please refer to the coating system details below

Coating System

Coat Type:	**1st Coat**	**Datasheet:**	**AUDI1152 Dulux Roadmaster WB2 Road Marking**
Application Methods:	OTHER Other Conventional or Airless Spray		

	Min	Max	Recommended
Theoretical Spread Rate *	2.6	2.6	2.7
Wet Film Per Coat (microns)	375	375	375
Dry Film Per Coat (microns)	230	230	230
Recoat Time **	1 - 2 Hours	Indefinite	

Coating Application Details:	Conventional or Airless Spray
Additional Coating Details:	Where reflective glass beads are required, broadcast the glass beads evenly onto the wet paint and allow to dry.

Comments

- Application techniques should be adjusted to achieve the recommended DFT and finishing standard. To avoid "Picture Framing" of texture topcoats "wet on wet" cutting in & coating technique is recommended or apply multiple coats thinning the first coat.
- Do not apply paint if Relative Humidity is above 85% or temperature is within 3°C of Dew Point.
  Do not apply if the surface temperature is greater than 40°C or below 10°C, or likely to fall below 10°C during the application or drying period.
- When using this specification, the Applicator shall maintain records in accordance with AS3894 Parts 10, 11 and 12 and others as required by the Project Manager. These records shall be made available for inspection at any time by the Project Manager or authorised representative and submitted to the Principal Contractor upon completion of work.

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Dulux DuSpec Specification Sheet

Cabot's

Cabot's Cabothane Clear Water Based Satin on New Timber [Interior] AUSW4749

Description

Intergrain UltraClear Interior is a tough, clear, water based acrylic finish for use on interior timber. Incorporating UV absorbers, UltraClear Interior provides greater protection against the colour change of timbers by shielding against the UV rays. UltraClear Interior resists abrasion, water and most household chemicals, is low odour and unlike oil based coatings will not yellow. Easy to apply and fast drying UltraClear Interior allows for several coats to be applied in one day. Available in gloss and satin, UltraClear Interior may be tinted to a selection of colours.

Substrate And Substrate Preparation

Substrate Notes:	SUBSTRATE DESCRIPTION NEW TIMBER New timber items should be delivered in a clean dry condition, just prior to installation. The timber should be inspected for physical defects, such as splinters, cracks, woolly grain, machine marks, and knot holes and also for other defects such as sap and tannin stains, and resin exudation from knots. Examine surfaces for wax or preservatives. Moisture content should be close to equilibrium moisture content, usually 10-17% for satisfactory staining or coating. Timber should stored out of the weather before painting. Timber left exposed to the weather for as little as one month prior to painting will suffer from reduced paint adhesion and durability. AGED TIMBER Old timber surfaces should be inspected for dry rot, mould or fungus, excessive water content, grey and weathered timber, grain cracking, resins, stains, old unsound paint, dirt and any surface contamination. These defects should be rectified prior to painting. TANNIN RICH TIMBER Tannins are water-soluble extractives present in some timbers such as meranti, merbau, kwila, western red cedar and tallowwood. These tannins are leached out by water or moisture and can cause staining of surrounding areas. They are seen as dark coloured stains either under or within a coating. Tannin staining is most obvious in light coloured coatings, such as whites. Darker and wood-toned colours hide the tannin stains best. When using light colours on tannin rich timbers, an appropriate primer should be used to seal the tannins in the wood. These products are manufactured as smooth sheets consisting of wood fibres bound with either natural lignin or a small percentage of phenolic resin. Hardboard is widely used as interior panelling but is vulnerable to moisture and therefore not suitable for exterior exposure or in high condensation conditions. Repairing damaged hardboard is not generally practicable and it is advisable to completely replace any damaged sections. These products are manufactured from timber fibre bound with thermosetting phenol formaldehyde resin. They contain wax which may inhibit the drying of solvent based alkyd enamels and tannins which may bleed through water based coatings. As manufactured the smooth surfaces provide an ideal surface for finishing but machined edges are more porous and may show fibre raising when primed.
Substrate Preparation Notes:	ASSESS SUITABILITY Ensure the wood is thoroughly clean and dry before commencing. If there is any doubt, measure moisture content which must be between 10-17% before staining or finishing can commence. REMOVE SURFACE CONTAMINANTS Examine the surface for the presence of sap, grease, oil, wax, tannin, building marks, or other contaminants. Scrape off and remove residual contaminants by solvent cleaning. Use scraper to remove dirt and mortar splashes. Any greyed wood fibres on aged timbers need to be removed by sanding and / or suitable chemical wood cleaner. CLEAN Clean to remove all dirt, dust and all other surface contaminants by using a suitable cleaning agent and rinse off with clean water. Treat mould with a suitable mould treatment. REPAIR SURFACE IMPERFECTIONS Fill nail holes, cracks and other defects with a suitable wood filler and allow to dry thoroughly. SANDING Sand dressed timber with fine sandpaper in direction of the grain and along the full length of the board. Round off all sharp edges to a minimum of 2 mm radius in order to achieve an even film build and uniform paint coverage.

Coating System Summary

1st Coat:	AUDW1645: Cabot's Cabothane Clear Water Based Satin
2nd Coat:	AUDW1645: Cabot's Cabothane Clear Water Based Satin
3rd Coat:	AUDW1645: Cabot's Cabothane Clear Water Based Satin

Please refer to the coating system details below

Coating System

Coat Type:	1st Coat	Datasheet:	AUDW1645 Cabot's Cabothane Clear Water Based Satin

Application Methods: Air Spray, Airless Spray, Brush, Roller

	Min	Max	Recommended
Theoretical Spread Rate *	12		16
Wet Film Per Coat (microns)			64
Dry Film Per Coat (microns)	22.5	19.3	18
Recoat Time **	3 Hours	Indefinite	

Coating Application Details:

Note: Do not shake can
Stir thoroughly with a broad flat paddle before and during use.
Apply with a good quality brush or spray gun. If spraying, back brushing is recommended. If brushing, always brush in the direction of the grain.
Allow to dry for a minimum of 2 hours. For best results, lightly sand to remove any grain raise using 240 grit paper. Remove all sanding dust.
Apply 2nd & 3rd coats as above.

STAINING BARE INTERIOR TIMBER
If timber is to be stained, apply one coat of Cabot's Interior Stain Water Based or Stain & Varnish Water Based following label instructions.
For Cabot's Interior Stain Water Based only: Allow stain to dry for 2 hours and apply 3 coats of Cabothane Clear following application procedure above.

Note - To stain previously coated timber, sand back to bare timber before staining.

HINTS
Cabot's Cabothane Clear is not suitable for:
previously wax coated finishes
walk-on areas
extreme UV exposure
broad wall application

For surfaces subject to extreme UV exposure, use Cabot's Exterior Clear.

Coat Type:	2nd Coat	Datasheet:	AUDW1645 Cabot's Cabothane Clear Water Based Satin

Application Methods: Air Spray, Airless Spray, Brush, Roller

	Min	Max	Recommended
Theoretical Spread Rate *	12		16
Wet Film Per Coat (microns)			64
Dry Film Per Coat (microns)	22.5	19.3	18
Recoat Time **	3 Hours	Indefinite	

Coating Application Details:

Note: Do not shake can
Stir thoroughly with a broad flat paddle before and during use.
Apply with a good quality brush or spray gun. If spraying, back brushing is recommended. If brushing, always brush in the direction of the grain.
Allow to dry for a minimum of 2 hours. For best results, lightly sand to remove any grain raise using 240 grit paper. Remove all sanding dust.
Apply 2nd & 3rd coats as above.

STAINING BARE INTERIOR TIMBER
If timber is to be stained, apply one coat of Cabot's Interior Stain Water Based or Stain & Varnish Water Based following label instructions.
For Cabot's Interior Stain Water Based only: Allow stain to dry for 2 hours and apply 3 coats of Cabothane Clear following application procedure above.

Note - To stain previously coated timber, sand back to bare timber before staining.

HINTS
Cabot's Cabothane Clear is not suitable for:
previously wax coated finishes
walk-on areas
extreme UV exposure
broad wall application

For surfaces subject to extreme UV exposure, use Cabot's Exterior Clear.

Coat Type:	3rd Coat	Datasheet:	AUDW1645 Cabot's Cabothane Clear Water Based Satin
Application Methods:	Air Spray, Airless Spray, Brush, Roller		

	Min	Max	Recommended
Theoretical Spread Rate *	11.8	13.7	16
Wet Film Per Coat (microns)			64
Dry Film Per Coat (microns)	22.5	19.3	18
Recoat Time **	3 Hours	Indefinite	

Coating Application Details:

Note: Do not shake can
Stir thoroughly with a broad flat paddle before and during use.
Apply with a good quality brush or spray gun. If spraying, back brushing is recommended. If brushing, always brush in the direction of the grain.
Allow to dry for a minimum of 2 hours. For best results, lightly sand to remove any grain raise using 240 grit paper. Remove all sanding dust.
Apply 2nd & 3rd coats as above.

STAINING BARE INTERIOR TIMBER
If timber is to be stained, apply one coat of Cabot's Interior Stain Water Based or Stain & Varnish Water Based following label instructions.
For Cabot's Interior Stain Water Based only: Allow stain to dry for 2 hours and apply 3 coats of Cabothane Clear following application procedure above.

Note - To stain previously coated timber, sand back to bare timber before staining.

HINTS
Cabot's Cabothane Clear is not suitable for:
previously wax coated finishes
walk-on areas
extreme UV exposure
broad wall application

For surfaces subject to extreme UV exposure, use Cabot's Exterior Clear.

Comments

- Application techniques should be adjusted to achieve the recommended DFT and finishing standard. To avoid "Picture Framing" of texture topcoats "wet on wet" cutting in & coating technique is recommended or apply multiple coats thinning the first coat.
- Practical spreading rates will vary from the quoted theoretical figures depending on the nature of the surface, application method and environmental conditions.
- This specification is to be read in conjunction with DULUX product data sheets

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Please note that this document is only valid for 60 days from the date of issue.

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Dulux DuSpec Datasheet

Dulux AcraTex BondFree Concentrate

AU_DA02689

Part A	194X0195-15L

Product Overview

DULUX AcraTex BondFree Concemtrate is a water based low toxicity cleansing solution specifically designed to remove Barrier-Type form release agents know as Bond-breakers from concrete panels prior to the application of a paint/texture system.

Barrier type Bond-breakers are form oils, use heavy oils, lanolin diluted in lighter oil such as , kerosene oil or diesel fuel they can also be oils emulsified in water.

Test a small area using a spray bottle and a 1:5 mix of Bond Free Concentrate rinse with water allow to dry and test water beading/ how well the concrete wets (darkens).
Compare to the uncleaned area. (Tip always add Bondfree to water)

Features And Benefits

- Water based
- Removes Barrier-Type Bond-Breakers
- Spray application
- Fast removal of Barrier Type Bond-Breakers
- Easy application, clean up
- Cleans and conditions the concrete removing stubborn contaminates.
- May be applied by airless spray which greatly reduces time on site.
- Uses approximately 1/5 of water vs high pressure water blaster method

Uses And Typical Specifications

Uses

DULUX AcraTex BondFree Concemtrate is designed to be applied over Tilt Up or Off Form concrete panels that have been treated with a Barrier-Type Bond-Breaker or Release Agents prior to painting to ensure maximum adhesion of the subsequent coatings.
It is designed to be sprayed onto the substrate then quickly washed off with water.

Typical Systems

Typical System Typical System for Tilt-Up Concrete
Preparation Guide Refer DuSpec AS_SA12345

Coat	Product	Spread Rate (m^2/L)	WFT (micron)	DFT (micron)
Prep Coat	BondFree Concentrate	42	0	0
1st Coat	ACRATILT	9-10	100 - 111	41 - 46
2nd Coat	ACRATILT	9-10	100 - 111	41 - 46
			Minimum System DFT	82

Notes Test a small area using a spray bottle and a 1:5 mix of Bond Free Concentrate rinse with water allow to dry and test water beading/ how well the concrete wets (darkens).
Compare to the uncleaned area.

Recommended Method of application is via a High Pressure Water Blaster suction feed (use undiluted) using a Long Distance Jet Nozzle
Note for Water Blasters without a suction feed use an Adjustable Detergent Injector

Precautions And Limitations

IDENTIFY THE BOND-BREAKER
Firstly identify the bond-breaker used on your project (Barrier or Chemically Reactive), this may be as simple as asking the foreman / builder of the project. The builder or a subcontractor usually constructs tilt panels. There may still be a drum present on site.

Test a small area using a spray bottle and a 1:5 mix of Bond Free Concentrate rinse with water allow to dry and test water beading/ how well the concrete wets (darkens).
Compare to the uncleaned area.

NOTE: BONDFREE CONCENTRATE IN NOT SUITABLE TO REMOVE CHEMICALLY REACTIVE BOND-BREAKERS / Form Release Agents

A chemically active form release agent contains an active ingredient that combines with the calcium hydroxide (lime) in fresh concrete to form a metallic, waterproof soap which prevents concrete adhesion to the treated surface.

For this type of Bond-Breaker use a detergent solution consisting of 225 grams of Tri-Sodium Phosphate (TSP) in 3.8 litres of water is recommended followed by high pressure washing (4000 psi)

Recommendations, permissible coverage rates & application temperature must be observed.

Never allow BondFree to dry on the substrate before rinsing. If the product does dry, apply another coat of BondFree and rinse off

Performance Guide

Weather	Not applicable	**Salt**	Not applicable
Heat Resistance	Not applicable	**Water**	Not applicable
Solvent	Not applicable	**Abrasion**	Not applicable
Acid	Not applicable	**Alkali**	Not applicable

Typical Properties

V.O.C Content	0	**Clean Up**	Clean up water
Meets GBCA VOC Requirement?	N/A		

Application Method

Airless Spray

Other: For application via Airless spray, Garden/ backpack Pressure Atomiser (dilute 1 part concentrate with 5 parts water), Recommended Method of application is via a High Pressure Water Blaster suction feed (use undiluted) using a Long Distance Jet Nozzle
Note for Water Blasters without a suction feed use an Adjustable Detergent Injector

Application Conditions

Solids By Volume	1		
	Min	**Max**	**Recommended**
Wet Film Per Coat (microns)	0	0	0
Dry Film Per Coat (microns)	0	0	0
Recoat Time (min)			
Theoretical Spread Rate (m^2/L)	7	7	7

Typical Properties Notes

Spread rate is for diluted material .
Mix 1 litre of BondFree Concentrate with 5 litres of clean fresh water (ALWAYS ADD BONDFREE TO WATER)

Application Guide

Surface Preparation

- IDENTIFY BOND-BREAKER
  Firstly identify the bond-breaker used on your project (Barrier or Chemically Reactive), this may be as simple as asking the foreman / builder of the project. The builder or a subcontractor usually constructs tilt panels. There may still be a drum present on site.

  TEST BARRIER TYPE BOND-BREAKER
  The Barrier Type Bond-Breaker will either be water or solvent-based.

  Test a small area using a spray bottle and a 1:5 mix of Bond Free Concentrate rinse with water allow to dry and test water beading/ how well the concrete wets (darkens). Compare to the uncleaned area. (Always add BondFree to the water)

  SOLVENT-BASED BOND-BREAKER

  With a solvent-based Bond-Breaker there are two tests:
  1: WATER-BEAD TEST
  Spraying the panel with water and observing a beading of the water as it is sprayed onto the panel (just like water on a freshly waxed car). This indicates the presence of Bond-Breaker.
  If the panel does not bead, the concrete should take on a darker appearance. This is where the water has absorbed into the panel, if this happens perform the second Bond-Breaker test.
  2: pH INDICATOR TEST
  Fill a small spray bottle with clean water. Immerse a pH indicator strip* into the water to test the pH level. This should read 6.5-7.5.If it reads any higher the water may be contaminated. Try sourcing water directly from tap.
  Hold a fresh indicator strip on the concrete panel keeping the indicator pads in contact with the concrete at all times.
  Spray the tested water above the strip so that the water trickles down over the indicator strip.
  Let soak for approximately 1 minute.
  Align the indicator strip with the coloured scale on the packet and read the pH level of your concrete.
  If the reading is the same or very similar to your previous reading of clean water, you know there is still Bond-Breaker on the panel.
  If the reading is high (8+) the pH is being read directly from the panel meaning there is no Bond-Breaker present.

  NOTE: BONDFREE IN NOT SUITABLE TO REMOVE CHEMICALLY REACTIVE BOND-BREAKERS / Form Release Agents
  A chemically active form release agent contains an active ingredient that combines with the calcium hydroxide (lime) in fresh concrete to form a metallic, waterproof soap which prevents concrete adhesion to the treated surface.
  For this type of Bond-Breaker use a detergent solution consisting of 225 grams of Tri-Sodium Phosphate (TSP) in 3.8 litres of water is

	recommended followed by high pressure washing (4000 psi)
Application Procedure And Equipment	• A sample should be trialed first then checked for the presence of bondbreaker. Suitable substrates: Barrier Type Form Release Agent treated Tilt Up/ Off Form Concrete/ Pre Cast Concrete • APPLICATION PROCEDURE AND EQUIPMENT Product should be thoroughly mixed before use. Commence application, working from bottom of panel upward. Apply using an airless spray unit (eg Graco 695 with a .0015 - .0019 tip at 1000 psi) or a low pressure knapsack spray unit. Large panels should be articulated into manageable work areas, always maintaining a wet edge ensuring rinsing of Bondfree is actioned prior to the area drying. If BondFree dries, re-apply BondFree to the affected area and rinse thoroughly. Flood the area with an excess of material with a heavy spray rather than a thin jet or light mist. This will produce a foaming wave of excess material descending down the panel. As BondFree is applied the panel should take on a darkened appearance. Should this not happen, apply a second coat of BondFree and consult with Dulux AcraTex if the panel does not darken (excessively applied water based bondbreaker may be the cause). NOTES: 1. Chemical goggles, gloves and a mask should be worn at all times whilst pouring and applying BondFree. 2. Application of BondFree should be with an airless spray unit or low pressure knapsack spray only. 3. Application of BondFree on large panels is a 2-man procedure, one to apply BondFree the other rinsing with water. Never allow BondFree to dry before rinsing. RINSING BONDFREE Rinse panel with a flood of water (heavy spray not jet) deluging panel from top to bottom. Ensure extra care is taken whilst rinsing to ledges, sills and all fixtures on panels. A second rinse should be performed whilst panel is still wet from initial rinse. This is to make sure all remnants of Bond-Breaker and BondFree are removed. This product should not be released into any watercourses, drains or gutters neat or diluted and should be contained and disposed of under local waste management procedures. An environmental duty of care must be executed at all times whilst using this product. NOTES: 1. Do not wait until BondFree is drying on panel before rinsing. Rinsing must occur whilst BondFree is still wet and active to remove all traces of bond-Breaker and BondFree. 2. Water pressure should be at least 80 psi or 28 kpa. 3. A second rinse is imperative to the performance of BondFree. At Commencement of coating system application to the substrate it shall be deemed that the Applicator has certified that the surface which it is to be applied to is fit to receive the specified coating(s) system. When the Applicator is preparing the site sample for approval he should advise the Project Superintendent if the substrate condition is not of sufficient standard to produce the specified finish. PRIOR TO FULL COATING APPLICATION TEST SITE SAMPLE Cross- hatch adhesion and pH tests must be performed as per Australian Standard AS2311-Painting Buildings and AS1580-Methods of Testing Adhesion (current editions) prior to commencing full-scale works. pH readings must be below 10 before coatings can be applied.

Health And Safety

MSDS Number	DLX003382	**Using Safety Precautions**	Keep out of reach of children. Read label before use. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Avoid breathing dust, fume, gas, mist, vapours or spray.. Wash hands, face and all exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.
MSDS Link	https://go.lupinsys.com/duluxgroup/harms/public/materials/d490d564323f12e642aac33a4f54c7b5-published/individual		
Health Effects	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. For detailed information refer to the product label and the current Material Safety data Sheet available through Dulux Sales and Customer Service Offices 13 25 25 AUS. For emergencies, please call Australia 1800 220 770 or New Zealand 0800 220 770. Ensure adequate ventilation. Take suitable safety precautions while preparing your surface or sanding a previously coated surface, including wearing an appropriate respiratory mask Hazardous respirable droplets may be formed when sprayed. Wear appropriate respiratory mask and do not breathe spray or mist.	**Flammability**	Combustible liquid Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Personal	Avoid any skin contact and inhaling spray mist. Use in well ventilated areas. Always use overalls, safety shoes,safety mask or respirator, safety glasses and safety gloves	**Fire Suppression**	If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).
Protective Equipment	Wear protective clothing, gloves, eye/face protection and suitable respirator.	**Storage**	Keep cool. Store in a well ventilated place.
Disposal	Absorb with sand or soil. Collect and seal in properly labelled drums. Refer to State/Territory Land Waste Management Authority for disposal.	**Handling**	SPILLS & LEAKS: Clear area of all unprotected personnel. Slippery when spilt. Wear protective equipment.
Other	If swallowed, do NOT induce vomiting. Give a glass of water. Seek medical advice. EYE: If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor. SKIN: If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If irritation occurs seek medical advice. INHALED: Remove from contaminated area. Seek medical advice.		
In the case of emergency, please call 1800 033 111			

Transport And Storage

Pack A	194X0195-15L	**Shipment Name**	Not dangerous goods; No special transport requirements
Size 15 Litre		**Weight** 16 Kg	
Flash Point	Approx 75 deg C	**UN Number**	NA
Dangerous Goods Class	NA	**Package Group**	NA

Images

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Dulux DuSpec Datasheet

Dulux AcraTex RenderWall AcraBuild

AU_DA02854

Part A	RenderWall Acrabuild Line

Product Overview

DULUX AcraTex RenderWall Acrabuild range of renders are prepacked cement render supplied in a dry powder form requiring the addition of water and Dulux AcraTex AcraBond (relevant to applied thickness and system)
RenderWall is a preparatory base levelling product designed for system use with subsequent Dulux AcraTex Acrylic Texture Systems.

Features And Benefits

- Easy to handle
- Pre-packed
- Controlled formulation
- Good adhesion
- Fast, efficient application
- Minimal drying shrinkage
- Produces a high quality, even, true surface to suitable masonry substrates.
- Non- Combustible

Uses And Typical Specifications

Uses

DULUX AcraTex RenderWall Acrabuild range are formulated for applications from 4-6 mm in single applications or can be applied up to 12mm thick in multiple applications.
It is suitable for application to clean sound masonry substrates including: brick & blockwork, off form concrete, and tilt-up concrete slabs.
RenderWall Acrabuild is NOT designed for application to EPS Foam.
Refer to RenderWall Acrabuild bag labels for detailed product and application information.

Typical Systems

Typical System RenderWall Acrabuild Range

Preparation Guide Note: Not all products are available is every state refer to your local rep

Coat	Product	Spread Rate (m^2/L)	WFT (micron)	DFT (micron)
Prep Coat	RenderWall Acrabuild Coarse 2002	0.2	6000	6000
Prep Coat	Renderwall AcraBuild Coarse 3002	0.2	6000	6000
Prep Coat	RenderWall Acrabuild Fine	0.2	6000	6000
Prep Coat	RenderWall Acrabuild Medium	0.2	6000	6000
Prep Coat	RenderWall Acrabuild Plus	0.2	6000	6000
		Minimum System DFT		6000

Notes PRECAUTIONS

- In hot conditions, wetting or tempering (light water spray) to the freshly applied RenderWall Acrabuild is recommended to aid finishing.
- During hot weather the applied RenderWall Acrabuild range should be rewetted 23 times per day over the first 2 days to promote proper curing (cement hydration)
- Do not apply at temperatures below 5°C or at elevated temperatures above 30°C or in hot windy conditions.
- RenderWall Acrabuild range should be protected from rain and frost for the first 24 hours.
- Allow to cure for 7 days.
- Application on large areas in full sun should be avoided.
- Thin thickness renders will not hide imperfections, rough surfaces or poor preparations.

OVERCOATING:
RenderWall Acrabuild range is designed as a preparatory base coat for subsequent acrylic high build, vapour permeable, texture coating systems.
AAC block requires a weatherproofing high build Acrylic Coating system. Suitable systems will satisfy a weatherproofing performance criteria of <10g / 24 hr / kPa Water Transmission such as Dulux AcraTex Texture Systems incorporating AcraShield Advance shield coat or similar approved system
Users must make their own determinations as to the suitability of this product relevant to requirements

Precautions And Limitations

DULUX AcraTex RenderWall Acrabuild must only be applied when temperature is between 10 - 30C. Thin bed renders will not hide imperfections, rough surfaces or poor preparation. Thin application require the addition of AcraBond to aid cement Hydration - refer bag labels for detailed information.
RenderWall Acrabuild can not be tinted.
RenderWall Acrabuild is not designed for EPS Foam.
Users must make their own determinations as to the suitability of this material relevant to project requirements.

System Performance Testing Data

Test Result Name	Test Method	Unit of Measure	Result	Comments
Combustible Test for Materials	AS1530.1	N/A	Non Combustible	Refer Product Test Certificates:

Performance Guide

Weather	Excellent weather resistance when used in system with Dulux AcraTex Acrylic Texture Systems.	**Salt**	N/A
Heat Resistance	Up to 60C.	**Water**	Resists rain and condensation when when used in system with Dulux AcraTex Acrylic Texture Systems.
Solvent	Sensitive to alcohols, aromatic hydrocarbons, acetone and strong solvents.	**Abrasion**	Resists abrasion when used in system with Dulux AcraTex Acrylic Texture Systems.
Acid	N/A	**Alkali**	N/A

Typical Properties

V.O.C Content	0	**Clean Up**	Clean up water Clean all equipment with water
Meets GBCA VOC Requirement?	Yes. Total Volatile Organic Content (TVOC) values are calculated in accordance to the stated methodology within Green Star Technical Manuals. The TVOC content is theoretically calculated as the sum total of the known VOC values of the product's raw material components. These materials include the base paint plus additional low VOC tinter required for non-factory packaged colours.		
Application Method	Trowel		

Application Conditions

Solids By Volume	100		
	Min	**Max**	**Recommended**
Wet Film Per Coat (microns)	4000	6000	6000
Dry Film Per Coat (microns)	4000	6000	6000
Recoat Time (min)	7-10days	Indefinite	
Theoretical Spread Rate (m^2/L)	0.3	0.2	0.2

Application Guide

Surface Preparation	• REFER TO THE BAG LABEL FOR DETAILED INFORMATION The substrate must be clean, sound masonry. Cement render relies on substrate "suction" for adhesion and subsequently "free moisture" for proper hydration-cure, and therefore masonry surfaces must be absorbent but not so absorbent that they rob water away from the render during early cure stages. Test surface absorption with water - Surfaces must immediately absorb water to become "dark damp" and remain damp. Excessively porous surfaces may require tempering with water or treatment with a dilute AcraBond solution prior to render application to slow the loss of cement hydration moisture.
Application Procedure And Equipment	• . • DULUX AcraTex RenderWall Acrabuild can be applied by traditional Hawk & Trowel method or via Render Pump in single application from 4-6mm or up to 12mm thick in multiple applications. MIXING The water-liquid (gauging liquid) component should be first measured into suitable containers or mixing devices and the powder slowly incorporated during agitation. Mix Ratio (approx. 15L mixed Dulux AcraTex RenderWall Acrabuild ¦ 20kg (1 full bag) of Dulux AcraTex RenderWall Acrabuild Plus ¦ Approx 3.5 litres of fresh clean water Refer to SAFETY for handling instructions ¦ Measure the water component into a 15L pail and add the powder while mixing with a suitable power Mixing Drill ¦ Allow to stand for 3-5 minutes ¦ Remix and adjust consistency with up to 0.5L additional water (once) relative to application requirement Renders beyond this thickness do not require the addition of AcraBond, providing the ambient temperature is not too high that it will cause rapid moisture loss & drying. In such conditions wetting or tempering of the freshly applied RenderWall is recommended. • With the addition of DULUX AcraTex 500/4 AcraBond to DULUX AcraTex Renderwall in accordance with recomendations, the recoat time will be 7 days. Product usage Scaling factor = 1.7 kg (dry powder) per sqm per 1mm thick (eg. a 6mm thick application requires (6 x 1.7) = 10.2 kg per sqm of Renderwall powder)

Health And Safety

MSDS Number	Refer product MSDS RenderWall Acrabuild Coarse 2002 DLX001242 RenderWall Acrabuild Coarse 3002 DLX000528 RenderWall Acrabuild Fine DLX001232 RenderWall Acrabuild Medium DLX000526 RenderWall Acrabuild Plus DLX002683	**Using Safety Precautions**	Mixed cement pastes are alkaline and can cause skin irritation. Wear rubber gloves and suitable coverage of skin (eg long sleeves) to avoid skin contact. Wear appropriate respiratory/ Dust mask and do not breathe dust or mist
Health Effects	For detailed information refer to the product label and the current Material Safety data Sheet available through Dulux Sales and Customer Service Offices 13 25 25 AUS. For emergencies, please call Australia 1800 220 770 or New Zealand 0800 220 770. Ensure adequate ventilation. Take suitable safety precautions while preparing your surface or sanding a previously coated surface, including wearing an appropriate respiratory mask Health Effects: Splashes to the eye may cause eye irritation.	**Personal**	Mix this product externally and avoid breathing this product.
Protective Equipment	Wear eye protection.	**Storage**	Store out of direct Sunlight in a cool dry area
In the case of emergency, please call 1800 033 111			

Transport And Storage

Pack A	193 RenderWall Acrabuild Line	**Shipment Name**	Not dangerous goods.No special transport requirements.
Size 20 kg bag		**Weight** 20 kg	
Flash Point	NA	**UN Number**	NA
Dangerous Goods Class	NA	**Package Group**	NA

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Dulux DuSpec Datasheet

Dulux Precision Maximum Strength Adhesion Primer

AU_DD02066

Part A	51WD0072

Description

Dulux PRECISION Maximum Strength Adhesion Primer is specifically formulated to bond to a variety of 'tough to paint' surfaces which typically resist coatings. It provides a sound base for topcoats while reducing or potentially eliminating the need for sanding dense, glossy surfaces. With excellent adhesion properties, it is suitable as a primer, sealer and undercoat. Use Dulux PRECISION Maximum Strength Adhesion Primer where ensuring a secure bond is critical in situations when performance of a traditional oil or water based primer may be questionable. Suitable for interior & exterior applications, including varnished timber.

Features

- Water Based
- Low Odour
- Creates a strong bond for topcoats
- Primes interior & exterior surfaces

Benefits

- Superior adhesion to glossy surfaces
- Adheres to surfaces that typically resist coatings
- Fast drying - touch dry 30min, re-coat 1 hr
- Use under Dulux acrylic & oil based topcoats

Uses

Tiles
High gloss enamels
Varnished Timber
uPVC
Fibreglass
Aluminium
Galvanized steel
Colorbond

Precautions And Limitations

IMPORTANT! DO NOT OPEN CAN WITHOUT READING INSTRUCTIONS
DO NOT USE ON FLOORS, BENCHTOPS OR AREAS SUBJECT TO PONDING WATER
KEEP FROM FREEZING

All preparation and painting must conform to AS/NZS 2311:2009 Guide to the painting of buildings. NB: This Standard provides a guide to products and procedures for the painting of buildings for general domestic, commercial and industrial use. The Standard does not include a specific recommendation for the long-term protection of iron or steel exposed directly to the atmosphere or to internal climates likely to have aggressive environments which are dealt with in AS/NZS 2312.

Only apply if surface, air and product temperatures are between 10°C and 32°C.
Do not apply if the surface temperature is below 10C or conditions indicate it will fall below10C during the drying period.
For difficult surface priming applications do not tint
For difficult surface priming applications do not thin unless absolutely necessary. Maximum addition of 100 mls per 1 Litre

Finishing: Topcoat within 30 days to prevent contamination of the primer before painting.

Precision Maximum Strength Adhesion Primer can be used where ensuring a secure bond is critical in situations when performance of a traditional water or oil-base primer may be questionable. For interior and exterior use on a variety of surfaces including; Kynar®, Fluoroset®, uPVC, Vinyl (unplasticised), Formica®, Laminex®, glass, tile, glazed brick, chalky paints, glossy finishes, fiberglass and metals.

Not recommended for floors or horizontal surfaces or areas subject to prolonged water contact.

Precision Maximum Strength Adhesion Primer may be used under epoxies, lacquers and products containing Xylene or other "hot" solvents, provided it's allowed to dry for 24 hours before top-coating and tested for compatibility in an inconspicuous area before full coat application.

When used under solvent based enamel paints Precision Maximum Strength Adhesion Primer MUST be sanded prior to application of the top coat.

When used under water based top coats containing high levels of slow evaporating coalescing solvents, allow Precision Maximum Strength Adhesion primer to dry for at least 2 hours before applying the first layer of top coat.

Precision Maximum Strength Adhesion Primer will gain full strength in 7 days after application.

Performance Guide			
Weather	Excellent when used as part of an approved system	**Salt**	Resistant to intermittent exposure to salt as part of a suitable system. Not to be used as a primary corrosion resistant primer on reactive metals
Heat Resistance	Up to 100C. This material is permanently thermoplastic. Prolonged use at temperatures above 80C is not recommended.	**Water**	Excellent resistance to condensation and water splash as part of a system
Solvent	Precision Maximum Strength Adhesion Primer is resistant to products containing Xylene and other "hot" solvents, provided it is allowed to dry for 24 hours before top-coating	**Abrasion**	Good when top coated Designed to be sandable
Acid	Resistant to intermittent exposure to mild acid as part of a suitable system	**Alkali**	Resistant to intermittent exposure to mild alkali as part of a suitable system

Typical Properties

Gloss Level	Flat	**Thinner**	Water
Colour	White, Do Not Tint	**Components**	1
Number Of Coats	1 For smooth surfaces.	**Toxicity**	Lead Free, Dry Film is non toxic
V.O.C. Level	30.4 g/lt	**Shelf Life**	2 years from date of manufacture
Meets GBCA VOC Requirement?	Yes. Total Volatile Organic Content (TVOC) values are calculated in accordance to the stated methodology within Green Star Technical Manuals. The TVOC content is theoretically calculated as the sum total of the known VOC values of the product's raw material components. These materials include the base paint plus additional low VOC tinter required for non-factory packaged colours.	**Sanding Properties**	Sandable when dry - 2 hours
Touch Dry	30 Minutes		
Clean Up	Water		
Clean Up Description	Clean up brushes immediately after use with water and finish with a clean in water with a mild detergent then a full water rinse Clean any wet overspray or spillage with water. Clean any dry overspray or spillage with mineral turpentine.		
Application Method	Air Spray, Airless Spray, Brush, Roller **Other**: Airless Spray: Tip: 0.015" - 0.021" Filter: 60 Mesh Fluid Pressure: 2,500 - 3,200 psi Roller: Smooth surfaces: 9-12mm Porous surfaces: 12- 19mm Brush: Nylon/ Polyester Blend		

Application Conditions

Solids By Volume 42

	Min	Max	Recommended
Wet Film Per Coat (microns)	100	137	100
Dry Film Per Coat (microns)	42	58	42
Recoat Time (min)	1 hour	30 days	1-2 hours
Theoretical Spread Rate (m^2/L)	7.3	10	10

Typical Properties Notes

Vehicle: - Styrenated Acrylic Copolymer
Weight Solids: - 58% (+/-) 2%
Volume Solids: - 42% (+/-) 2%
Weight per Litre (kg/l): 1.38 (+/-) 2
Viscosity: - Medium Fluid

Application Guide

Surface Preparation	▪ All surfaces must be clean, dry and free of oil, grease, mildew, wax, dust, flaky rust, mill scale, loose paint, chalk and other foreign matter that could interfere with adhesion. If washing is necessary, use a non-soapy detergent or Selleys® Sugar Soap, rinse well and allow to dry. Remove loose rust, peeling paint and mill scale with a scraper, wire brush or sandpaper. Clean bare metal in accordance with specific recommendations for the long-term protection of iron or steel which are dealt with in AS/NZS 2312. Peeling or Cracked Paint: Scrape off loose paint and sand to a smooth surface. Sanding or removal of paint containing lead is hazardous. Mould or Mildew Covered Surfaces: Wash the area with a mildew remover, rinse with water and allow to dry before priming. While Precision Maximum Strength Adhesion Primer is formulated to bond without sanding, it is recommended that a small area be tested for adhesion prior to beginning the job.
Application Procedure And Equipment	▪ Eye protection is recommended. Only apply if surface, air and product temperatures are between 10°C and 32°C. Apply using a brush, roller or spray. Brush – High quality Nylon/Polyester Roller – High quality 9-12mm nap on smooth surfaces or 12-19mm nap on semi-rough or porous surfaces. Airless spray – 0.015" - 0.021" tip / 60 mesh filter @ 2,500 – 3,200 PSI For spray applications, a small amount of water (no more than 100mls per 1 Litre) may be added. Stir thoroughly before and occasionally during use.

Health And Safety

MSDS Number	DLXGHSEN001275 FOR DETAILED INFORMATION REFER TO THE PRODUCT LABEL AND THE CURRENT MATERIAL SAFETY DATA SHEET AVAILABLE THROUGH CUSTOMER SERVICE. AUSTRALIA : 13 25 25 NEW ZEALAND: 0800 800 424	**Using Safety Precautions**	If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766). Inhalation: Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist. Skin contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance. Eye contact: If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital. Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice. PPE for First Aiders: Wear overalls, safety glasses and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using. Notes to physician: Treat symptomatically.
Health Effects	No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are: Acute Effects Inhalation: Material is an irritant to mucous membranes and respiratory tract. Skin contact: Contact with skin may result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis. Ingestion: Swallowing can result in nausea, vomiting and	**Flammability**	Non-combustible material.

	irritation of the gastrointestinal tract. Eye contact: A moderate eye irritant.		
Personal	Hygiene measures: Keep away from food, drink and animal feeding stuffs. Wash hands prior to eating, drinking or smoking. Avoid skin and eye contact and inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.	**Fire Suppression**	Hazchem Code: Not applicable. Suitable extinguishing media: Not combustible, however, if material is involved in a fire use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).
Protective Equipment	Personal protection equipment: H: OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES, RESPIRATOR. Wear overalls, chemical goggles and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from butyl rubber/leather/natural rubber/neoprene/nitrile rubber/polyethylene/polyvinyl alcohol (PVA)/polyvinyl chloride (PVC)/teflon should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.	**Welding**	As with all materials it is best not to use in areas where welding operations area being conducted.
Storage	Storage: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials - Acids, alkalis and oxidising agents. Keep containers closed when not in use - check regularly for leaks. SMALL SPILLS Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels). Allow absorbent to dry before disposing with normal household garbage. LARGE SPILLS Clear area of all unprotected personnel. Prevent further leakage or spillage if safe to do so. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of sewers or waterways has occurred advise local emergency services. Dangerous Goods – Initial Emergency Response Guide No: Not applicable.	**Disposal**	If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations. Unused paint: Do not pour leftover paint down the drain. Unwanted paint should be brushed out on newspaper and allowed to dry, and then disposed of via domestic waste collections. Empty paint containers: Should be left open in a well-ventilated area to dry out. When dry, recycle the container via steel can recycling programs. Disposal of empty paint containers via domestic recycling programs may differ between local authorities. Check with your local council first. DO NOT REUSE CONTAINER
Handling	Handling: Avoid skin and eye contact and inhalation of vapour, mist or aerosols.		
In the case of emergency, please call 1800 033 111			

Transport And Storage

Pack A	Precision Maximum Strength Adhesion Primer 51W-D0072	**Shipment Name**	PAINT
Size 1 Litre, 4 Litre		**Weight** 1.38kg, 5.52kg	
Flash Point	Not Applicable - Water Based	**UN Number**	1263
Dangerous Goods Class	Not Classified as Dangerous Goods	**Package Group**	N/A

Images

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Dulux DuSpec Datasheet

Dulux 1 Step Prep

AU_DD02479

Part A	630D0131
Approvals	APAS 0172 & Green Star: Complies with the requirements for the Indoor Environment Quality credit in Green Star Australia rating tools.

Description

Dulux 1 Step Prep is a multi-surface Primer Sealer Undercoat.
Dulux 1 Step Prep is your first step toward a superior long lasting paint finish. With Mould resistance and stain blocking of tannin and flash rust*, Dulux 1 Step Prep ensures your interior or exterior paint shines now and into the future. Use Dulux 1 Step Prep for all paintable surfaces around your home including interior and exterior walls, ceilings, doors, windows, trim, and especially where mould is a problem including kitchens, bathrooms & outside areas.

Features

- Superior adhesion
- Mouldshield technology
- Interior & exterior use

Benefits

- No sanding required on most surfaces
- Mould resistance
- Excellent coverage

Uses

Interior and exterior surfaces including paperfaced plasterboard, timber, MDF, brick, masonry, concrete, cement sheet, Zincalume, galvanised iron, PVC, and previously painted surfaces.

Precautions And Limitations

All preparation and painting must conform to AS2311: The Painting of Buildings.
Do not overspread or exceed 14 sqm/L per coat. In hot weather, rinse brush every half hour or use two and keep one standing in water.
Do not apply if temperature is under 10C, or when temperature of surface may fall below 10C during the drying period, otherwise film formation will not be complete and poor properties will result.

*Flash rust resistant means spot priming, with a metal primer, over nail heads, bolts and similar metal surfaces is not normally required. 1-Step Prep can be applied over any surface listed under "Uses" which may include nail heads and bolts. On large metal surfaces Precision All Metal Primer is recommended. Call Help & Advice, 132525, if further assistance is required.
Although 1-Step Prep is suitable for most timbers, tannin rich timbers may require 1-Step Oil based to prevent tannins from bleeding to the surface.

Performance Guide

Weather	Excellent when used as part of approved system.	**Heat Resistance**	Up to 70C
Water	Excellent when topcoated with approved topcoat.	**Solvent**	Sensitive to aromatic hydrocarbons, alcohols and ketones.
Abrasion	Good when topcoated.		

Typical Properties

Gloss Level	Low Sheen	**Thinner**	Water
Colour	White, may be tinted up to 28mL (1Y) per litre.	**Components**	1
V.O.C. Level	<31 g/L inclusive of Dulux Low VOC tinter	**Meets GBCA VOC Requirement?**	Yes. Total Volatile Organic Content (TVOC) values are calculated in accordance to the stated methodology within Green Star Technical Manuals. The TVOC content is theoretically calculated as the sum total of the known VOC values of the product's raw material components. These materials include the base paint plus additional low VOC tinter required for non-factory packaged colours.
Sanding Properties	Excellent	**Touch Dry**	30 minutes
Clean Up	Water		
Clean Up Description	Clean all equipment with water		
Application Method	Air Spray, Airless Spray, Brush, Roller		

Application Conditions

Solids By Volume 40

	Min	Max	Recommended
Wet Film Per Coat (microns)			71
Dry Film Per Coat (microns)			29
Recoat Time (min)			
Theoretical Spread Rate (m^2/L)			14

Typical Properties Notes

Recoat - 2 hours @25ºC/50% relative humidity. Under cooler or more humid conditions allow longer drying times. If recoating with a solvent-based paint, allow 1-Step to dry for 24hr before recoating.

Application Guide

Surface Preparation

- All surfaces must be thoroughly cleaned and free of all loose dirt, grease, stains, mould, surface chalk and loose or flaking paint. Wash unpainted timber surfaces with a suitable timber cleaner to remove excess tannins or greyed timber. New timber surfaces should also be sanded smooth and dusted down prior to priming. Fill nail holes, imperfections and cracks with a suitable filler, sand and dust off.
  For set plaster or plasterglass use sealer binder as the prepcoat.

Application Procedure And Equipment

- Brush, roller, conventional or airless spray.
  NOTE: Spray application is not recommended for priming timber surfaces.
  Stir contents thoroughly before and during use. Apply direct from the can. May be applied to dampened surfaces. If applied over dry, porous surfaces, dampen surfaces before applying.
  Brush: Wet brushes with water prior to use to avoid clogging. Apply a full even coat direct from the container. Under hot conditions it may be necessary to thin with up to 100mL/L of clean water.
  Roller: Using a medium nap roller apply a full even coat and finish with light parallel strokes without reloading the roller.
  Airless/Conventional Spray: Suitable for application by all standard spray equipment. If necessary thin with up to 100mL/L of water water to aid atomization.
  NOTE: Spray application is not recommended for priming timber surfaces.

Health And Safety

MSDS Number	DLXGHSEN002997		
MSDS Link	https://go.lupinsys.com/duluxgroup/harms/published_materials/ee84e3a12b701ff3a871c61f5d171464-published/attachments/192e67a3e5f6643a701217cc4a25e8cf.pdf		
Health Effects	For detailed information refer to the product label and the current Material Safety Data Sheet available through Customer Service. Splashes to the eye may cause eye irritation. When spraying, inhalation of mists may produce respiratory irritation.	**Protective Equipment**	Wear eye protection and when spraying wear a dust mask.
In the case of emergency, please call 1800 033 111			

Transport And Storage

Pack A	630-D0131	**Shipment Name**	Not dangerous goods. No special transport requirements.
Size 0.5L, 1L, 2L, 4L, 10L, 15L		**Weight** 0.71kg, 1.42kg, 2.84kg, 5.68kg, 14.2kg, 21.3kg	
Flash Point	N/A	**UN Number**	N/A
Dangerous Goods Class	N/A	**Package Group**	N/A

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Dulux DuSpec Datasheet

Dulux Enviro2 Interior Acrylic Sealer Undercoat

AU_DD02680

Part A	59P Line

Description

Dulux EnvirO2 water based Acrylic Sealer Undercoat is a very low VOC, low odour premium coating. It has high opacity and excellent coverage.

Features

- Water based
- Sealer and undercoat in one
- Superior sanding and quick drying

Benefits

- Very low VOC <1g/L
- Low odour
- High opacity and excellent coverage

Uses

Seals and undercoats most interior surfaces to even out surface porosity ready for top coat application. With excellent hiding power and easy sanding, it is ideal for bare plasterboard. Suitable for Green Star, WELL, LBC building projects.

Precautions And Limitations

All preparation and painting must conform to AS2311: The Painting of Buildings.
Do not use at temperatures below 10C,or when the temperature of surface may fall below 10C during the drying period. Not recommended for application at temperatures higher than 28C. Avoid exposure to steam and condensation for 48 hours after application. Although the film is touch dry in 30 minutes allow 7 days for film to fully cure before washing.

Performance Guide

Weather	Designed for interior use only. Not recommended for exterior use.	**Salt**	N/A
Heat Resistance	Softens and sticks to other painted surfaces over 70°C	**Water**	N/A
Solvent	Sensitive to aromatic hydrocarbons and alcohols	**Abrasion**	N/A
Acid	N/A	**Alkali**	N/A

Typical Properties

Gloss Level	Flat	**Thinner**	Water
Colour	White	**Components**	1
Number Of Coats	1	**Toxicity**	Lead Free. Dry film is non-toxic and conforms to AS1647, Part 3.
V.O.C. Level	<1 g/L inclusive of Dulux low VOC tinter	**Meets GBCA VOC Requirement?**	Yes. Total Volatile Organic Content (TVOC) values are calculated in accordance to the stated methodology within Green Star Technical Manuals. The TVOC content is theoretically calculated as the sum total of the known VOC values of the product's raw material components. These materials include the base paint plus additional low VOC tinter required for non-factory packaged colours.
Touch Dry	30 Minutes		
Clean Up	Water		
Clean Up Description	Clean all equipment with water		
Application Method	Air Spray, Airless Spray, Brush, Roller		

Application Conditions

Solids By Volume 39

	Min	Max	Recommended
Wet Film Per Coat (microns)			69
Dry Film Per Coat (microns)			27
Recoat Time (min)			
Theoretical Spread Rate (m^2/L)			14

Application Guide

Surface Preparation	• All surfaces must be prepared in accordance with proper trade practices and must be clean and free from dust, dirt, grease and oil. Previously painted surfaces, except asbestos cement, must be sanded to remove loose, peeling, flaking or chalky paint. Spot prime bare areas. Note : To avoide dust from asbestos cement sheeting do not sand or scrub. Wash with bleach solution or appropriate de-mossing chemical where necessary. Wash down.
Application Procedure And Equipment	• Brush, roller, spray • Stir well before use with a broad, flat paddle using an up and down scooping action. Apply one coat of Enviro2 Acrylic Sealer Undercoat. Thin with up to 100mls water per litre of paint if necessary.

Health And Safety

MSDS Number	DLXGHSEN003517	**Health Effects**	For detailed information refer to the product label and the current Material Safety Data Sheet available through the Dulux Australia toll free phone 13 23 77. Health effects: Splashes to the eye may cause eye irritation.
Protective Equipment	Personal Protective Equipment: Wear eye protection.		

In the case of emergency, please call 1800 033 111

Transport And Storage

Pack A	59P-84191	**Shipment Name**	Not dangerous goods. No special transport requirements.
Size 10 Litre 15 Litre		**Weight** 15.3 Kg 23.7 Kg	
Flash Point	NA	**UN Number**	NA
Dangerous Goods Class	NA	**Package Group**	NA

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Dulux DuSpec Datasheet

Dulux Enviro2 Interior Low Sheen

AU_DD02681

Part A	59L-84179

Description

Dulux EnvirO2 Interior Low Sheen White is a very low VOC, low odour premium water based paint. It produces a washable, stain resistance and hard wearing finish suitable for all interior living areas. It contains mould protection to help prevent mould growth.

Features

- Water based premium acrylic paint
- Produces a hard wearing finish
- Washable and stain resistant

Benefits

- Very low VOC <1g/L
- Low odour
- Helps prevent mould growth

Uses

Suitable for all interior living areas and Green Star, WELL, LBC building projects.

Precautions And Limitations

All preparation and painting must conform to AS2311: The Painting of Buildings.
Do not use at temperatures below 10°C,or when the temperature of surface may fall below 10°C during the drying period. Not recommended for application at temperatures higher than 28°C. Avoid exposure to steam and condensation for 48 hours after application. Although the film is touch dry in 30 minutes allow 7 days for film to fully cure before washing.
Cleaning schedule: After application, allow the surface to dry for 7 days prior to cleaning. Do not scrub the surface, use abrasive cleaners or solvent. The surface should be wiped down with a soft damp cloth using mild detergent such as Spray & Wipe or similar.
Darker colours will show more signs of marking and scuffing than lighter colours - if you are considering using a dark colour in a high traffic area you may want to consider a higher sheen level or the use of a protective clear coat.

Performance Guide

Weather	Designed for interior use only. Not recommended for exterior use.	**Heat Resistance**	Softens and sticks to other painted surfaces over 70°C
Water	Suitable for use in wet areas	**Solvent**	Sensitive to aromatic hydrocarbons and alcohols
Abrasion	Good wet and dry burnish resistance		

Typical Properties

Gloss Level	5-10 at 60 degrees, 5-15 at 85 degrees	**Thinner**	Water
Colour	White, may be tinted up to 56ml (2Y) per litre.	**Components**	1
Number Of Coats	2	**Toxicity**	Lead free. Dry film is non-toxic and conforms to AS1647, Part 3.
V.O.C. Level	<1 g/L inclusive of Dulux low VOC tinter	**Meets GBCA VOC Requirement?**	Yes. Total Volatile Organic Content (TVOC) values are calculated in accordance to the stated methodology within Green Star Technical Manuals. The TVOC content is theoretically calculated as the sum total of the known VOC values of the product's raw material components. These materials include the base paint plus additional low VOC tinter required for non-factory packaged colours.
Touch Dry	30 Minutes		
Clean Up	Water		
Clean Up Description	Clean all equipment with water		
Application Method	Air Spray, Airless Spray, Brush, Roller		

Application Conditions

Solids By Volume 43.9

	Min	Max	Recommended
Wet Film Per Coat (microns)			63
Dry Film Per Coat (microns)			27
Recoat Time (min)			2 hours
Theoretical Spread Rate (m^2/L)			16

Application Guide

Surface Preparation	▪ All surfaces must be prepared in accordance with proper trade practices and must be clean and free from dust, dirt, grease and oil. previously painted surfaces, except asbestos cement, must be sanded to remove loose, peeling, flaking or chalky paint. Spot prime bare areas. Note: To avoid dust from asbestos cement sheeting do not sand or scrub. Wash with bleach solution or appropriate de-mossing chemical where necessary. Wash down.
Application Procedure And Equipment	▪ Brush, roller, spray Stir well before use with a broad, flat paddle using an up and down scooping action. Apply 2 coats of Dulux EnvirO2 Interior Low Sheen. Thin with up to 100ml of water per litre if necessary.

Health And Safety

MSDS Number	DLXGHSEN003519	**Health Effects**	For detailed information refer to the product label and the current Material Safety Data Sheet available by calling Dulux Australia Toll free phone 13 23 77. Health effects: Splashes to the eye may cause eye irritation.
Protective Equipment	Personal Protective Equipment: Wear eye protection.		

In the case of emergency, please call 1800 033 111

Transport And Storage

Pack A	59L84179	**Shipment Name**	Not dangerous goods. No special transport requirements.
Size 4 Litre 10 Litre 15 Litre		**Weight** 6.0 Kg 14.8 Kg 21.9 Kg	
Flash Point	NA	**UN Number**	NA
Dangerous Goods Class	NA	**Package Group**	NA

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Dulux DuSpec Datasheet

Dulux Enviro2 Interior Tintable Ceiling Flat

AU_DD02682

Part A	59C Line

Description

Dulux EnvirO2 Ceiling Flat is a very low VOC, low odour premium acrylic paint specifically designed for use on ceilings. It has high opacity and a flat finish to help hide minor surface imperfections and produce a smooth even finish. It contains mould protection to help prevent mould growth.

Features

- Flat even finish
- High opacity
- Excellent coverage

Benefits

- Very low VOC <1g/L
- Low odour
- Helps prevent mould growth

Uses

Specifically designed with a flat finish to help hide surface imperfections and produce a smooth even finish on ceilings. Suitable for all interior living areas and Green Star, WELL, LBC building projects.

Precautions And Limitations

All preparation and painting must conform to AS2311: The Painting of Buildings.
Do not use at temperatures below 10C,or when the temperature of surface may fall below 10C during the drying period. Not recommended for application at temperatures higher than 28C. Avoid exposure to steam and condensation for 48 hours after application. Not recommended for areas subject to frequent cleaning.

Performance Guide

Weather	Designed for interior use only. Not recommended for exterior use.	**Heat Resistance**	Softens and sticks to other painted surfaces over 70°C
Solvent	Sensitive to aromatic hydrocarbons and alcohols		

Typical Properties

Gloss Level	1.0 max at 85 degrees	**Thinner**	Water
Colour	White	**Components**	1
Number Of Coats	2	**Toxicity**	Lead Free. Dry film is non-toxic and conforms to AS1647, Part 3.
V.O.C. Level	<1g/L inclusive of Dulux Low VOC tinter	**Meets GBCA VOC Requirement?**	Yes. Total Volatile Organic Content (TVOC) values are calculated in accordance to the stated methodology within Green Star Technical Manuals. The TVOC content is theoretically calculated as the sum total of the known VOC values of the product's raw material components. These materials include the base paint plus additional low VOC tinter required for non-factory packaged colours.
Touch Dry	30 Minutes		
Clean Up	Water		
Clean Up Description	Clean all equipment with water		
Application Method	Air Spray, Airless Spray, Brush, Roller		

Application Conditions

Solids By Volume 27

	Min	Max	Recommended
Wet Film Per Coat (microns)			63
Dry Film Per Coat (microns)			17
Recoat Time (min)			
Theoretical Spread Rate (m^2/L)			16

Application Guide

Surface Preparation	• All surfaces must be prepared in accordance with proper trade practices and must be clean and free from dust, dirt, grease and oil. Previously painted surfaces, except asbestos cement, must be sanded to remove loose, peeling, flaking or chalky paint. Spot prime bare areas. Note : To avoid dust from asbestos cement sheeting do not sand or scrub. Wash with bleach solution or appropriate de-mossing chemical where necessary. Wash down.
Application Procedure And Equipment	• Brush, roller, spray • Stir well before use with a broad, flat paddle using an up and down scooping action. Apply 2 coats of DULUX Professional EnvirO2 Tintable Ceiling Flat. Thin with up to 100ml per litre of water if necessary.

Health And Safety

MSDS Number	DLXGHSEN003516	**Health Effects**	For detailed information refer to the product label and the current Material Safety Data Sheet available by calling Dulux Australia Toll free phone 13 23 77. Health effects: Splashes to the eye may cause eye irritation.
Protective Equipment	Personal Protective Equipment: Wear eye protection. When spraying, wearing a disposable face mask is advisable.		

In the case of emergency, please call 1800 033 111

Transport And Storage

Pack A	59C-84179	**Shipment Name**	Not dangerous goods. No special transport requirements.
Size 10 Litre 15 Litre		**Weight** 14.2 Kg 21.0Kg	
Flash Point	NA	**UN Number**	NA
Dangerous Goods Class	NA	**Package Group**	NA

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Dulux DuSpec Datasheet

Dulux EnvirO2 Water Based Enamel Semi Gloss

AU_DD02769

Part A	59S Line

Description

Dulux EnvirO2 Water Based Enamel Semi Gloss is a very low VOC, low odour premium water based paint. It produces a washable, stain resistance, tough and hardwearing finish.

Features

- Non yellowing
- Fast drying, easy recoat
- Washable and stain resistant

Benefits

- Very low VOC <1g/L
- Low odour
- Smooth, tough and durable finish

Uses

Use on all interior doors, windows and trim areas. Suitable for Green Star, WELL, LBC building projects.

Precautions And Limitations

All preparation and painting must conform to AS2311: The Painting of Buildings.
Do not use at temperatures below 10°C,or when the temperature of surface may fall below 10°C during the drying period. Not recommended for application at temperatures higher than 28°C. Avoid exposure to steam and condensation for 48 hours after application. Although the film is touch dry in 30 minutes allow 7 days for film to fully cure before washing.

Cleaning schedule: After application, allow the surface to dry for 7 days prior to cleaning. Do not scrub the surface, use abrasive cleaners or solvent. The surface should be wiped down with a soft damp cloth using mild detergent such as Spray & Wipe or similar.

Performance Guide

Weather	Designed for interior use only. Not recommended for exterior use.	**Heat Resistance**	Softens and sticks to other painted surfaces over 70°C
Water	Suitable for use in wet areas	**Solvent**	Sensitive to aromatic hydrocarbons and alcohols
Abrasion	Good wet and dry burnish resistance		

Typical Properties

Gloss Level	40-50 at 60 degrees,	**Thinner**	Water
Colour	White	**Components**	1
Number Of Coats	2	**Toxicity**	Lead Free. Dry film is non-toxic and conforms to AS1647, Part 3.
V.O.C. Level	<1 g/L inclusive of Dulux low VOC tinter	**Meets GBCA VOC Requirement?**	Yes. Total Volatile Organic Content (TVOC) values are calculated in accordance to the stated methodology within Green Star Technical Manuals. The TVOC content is theoretically calculated as the sum total of the known VOC values of the product's raw material components. These materials include the base paint plus additional low VOC tinter required for non-factory packaged colours.
Touch Dry	30 Minutes		
Clean Up	Water		
Clean Up Description	Clean all equipment with water		
Application Method	Air Spray, Airless Spray, Brush, Roller		

Application Conditions

Solids By Volume 34

	Min	Max	Recommended
Wet Film Per Coat (microns)			62
Dry Film Per Coat (microns)			21
Recoat Time (min)			2 Hours
Theoretical Spread Rate (m^2/L)			16

Application Guide

Surface Preparation	▪ All surfaces must be prepared in accordance with proper trade practices and must be clean and free from dust, dirt, grease and oil. previously painted surfaces, except asbestos cement, must be sanded to remove loose, peeling, flaking or chalky paint. Spot prime bare areas. Note: To avoid dust from asbestos cement sheeting do not sand or scrub. Wash with bleach solution or appropriate de-mossing chemical where necessary. Wash down.
Application Procedure And Equipment	▪ Brush, roller, spray ▪ Stir well before use with a broad, flat paddle using an up and down scooping action. Apply 2 coats of Dulux Professional Enviro2 Interior Semi Gloss. Thin with up to 100ml of water per litre if necessary.

Health And Safety

MSDS Number	20968, 0	**Health Effects**	For detailed information refer to the product label and the current Material Safety Data Sheet available by calling Dulux Australia Toll free phone 13 23 77. Health effects: Splashes to the eye may cause eye irritation.
Protective Equipment	Personal Protective Equipment: Wear eye protection.		

In the case of emergency, please call 1800 033 111

Transport And Storage

Pack A	59S-84179	**Shipment Name**	Not dangerous goods. No special transport requirements.
Size 10 Litre		**Weight** 13.6 Kg	
Flash Point	NA	**UN Number**	NA
Dangerous Goods Class	NA	**Package Group**	NA

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Dulux DuSpec Datasheet

Dulux POWDER COATINGS

Dulux Powder Coatings Duratec Zeus® Solid Colour Range AU_DP02815

Product Code	90Z Line (NEW) 900 Line (OLD)
Approval	Architectural Aluminium Standards: Meets or exceeds AS3715, AAMA2604 | Classification of fire performance for Duratec Zeus® has a Group Classification of 1 according to the National Construction Code (NCC) Volume One Specifications C1.10 of the Building Code of Australia (BCA) and a Group Number Classification of 1-S according to the NZ Building Code Verification Method C/VM2 Appendix A: Establishing Group Numbers for lining materials.

Description

The Duratec Zeus® solid colour range is a collection of on trend solid colours, delivered with warranty grade* advanced super durable polyester thermosetting powder.

Ideal for warranty grade applications over;
• Architectural aluminium including perforated and expanded aluminium,
• Steel (mild), bright/semi bright steel, black steel and blue steel.

Duratec Zeus® can also be used on the following metals but these are not warranted;
• Galvanised steel, stainless steel and Zincalume®.

The Duratec Zeus® solid range is supported by Alumi Shield™ and Steel Shield™ warranties* when applied by a Dulux Accredited Powder Coater to the warranty specification on recommended project types and conditions.

*Subject to the terms and conditions of the relevant product warranty. Please contact your local Dulux representative for further details.

IMPORTANT INFORMATION - CARE & MAINTENANCE POST INSTALLATION;
A SIMPLE AND REGULAR MAINTENANCE PROGRAM MUST BE IMPLEMENTED AND RECORDED IN LINE WITH THE DULUX POWDERS CARE AND MAINTENANCE SCHEDULE TO;
1. Comply with Dulux warranty requirements,
2. Ensure the life of your asset is maximised.

It is important that architects, specifiers, powder coaters, fabricators, manufactures and builders ensure they reinforce this message to the end asset owner.

For more information refer to the Dulux Care and Maintenance brochure available at duluxpowders.com.au/tech-advice or call 13 24 99.

Zincalume is a registered trade mark of Bluescope Steel Limited.

Features And Benefits

- Super durable polyester thermosetting powder
- Alumi Shield™ warranty - 25 year aluminium durability and 20 year aluminium colour warranty
- Steel Shield™ warranty - up to 10 year steel corrosion warranty and 20 year steel colour warranty
- Solid Colour finish
- No solvents or emissions & TGIC free
- Formulated to meet: AS 3715, AAMA 2603 and AAMA 2604
- Guaranteed performance on appropriately pretreated aluminium and steel*
- Excellent colour retention
- Super durable finish
- Ideal for use on environments greater than 10m from the high tide mark
- Recycle via appropriate application reclaim processes

Uses

The Duratec Zeus® solid range has been developed for use on a wide range of metal substrates including, most architectural aluminium applications such as window and door system, louvres, balustrades, sunshades, perforated screen, curtain walls, shop fronts, furniture and shelving.

The Duratec Zeus® solid range is suitable for coastal environments >10m from the high tide and is NOT suitable in strongly acidic or caustic environments so the pH must be between 5 and 9.

It is ideal for;
Exterior projects (All BCA Classes);
• All commercial buildings,
• All residential buildings,
• Non-habitable.
Interior projects (All BCA Classes);
• All commercial buildings,
• All residential buildings,
• Non-habitable.

Precautions And Limitations

The Duratec Zeus® solid range is only available in solid colours which meet Dulux Powder Coatings pigmentation criteria. Strong, bold colours may not necessarily meet these criteria and should be referred to Dulux Powder Coatings before specifying.

It is recommended that each project is coated with the same batch of powder by the same applicator and if possible at the same time.

As a result of possible wide application variations and oven curing conditions, some products and colours may show variation between Dulux Powder Coatings prepared samples and production applied material. Therefore, it is the applicator and/or their customer's responsibility to ensure the product conforms to their requirements.

The Duratec Zeus® solid range is suitable for coastal environments >10m from the high tide and is NOT suitable in strongly acidic or caustic environments so the pH must be between 5 and 9.

Not recommended for components which are exposed to constant temperatures exceeding 120°C. Powder coated surfaces are not designed to be touched or mechanically abraded above 50°C.

Not recommended for post fabrication processes such as post-forming, zipping for double or triple glazing or punching. Many post fabrication processes can impede achievement of a continuous layer of pre-treatment and the minimum film build of powder coating. Consult the relevant guideline or regulation such as the building code or window association for information on mitigating any potential damage that could be caused by post fabrication processes.

Cutting and drilling must be done with very sharp saws, drills, etc., as blunt tools will likely result in chipping. Cutting lubricants must be cleaned off as per the Dulux Care & Maintenance instructions. For more information refer to the Dulux Care and Maintenance brochure available at duluxpowders.com.au/tech-advice
or call 13 24 99.

IMPORTANT DESIGN CONSIDERATIONS;
It is recommended that any item that is coated should be designed and fabricated using AS 2312.1 and the relevant building code as guides.

The following design elements should be avoided - narrow crevices, poor air circulation, depressions, sharp edges and corners, large flat ledges (not window ledges), intermittent welding, undrained flat surfaces, unsealed hollow sections, flat surfaces in loose contact where moisture may be drawn in between them by capillary action and contact between dissimilar metals, e.g., with screws, rivets, etc.

Take care if non-metallic substrates are required to be or cannot avoid being powder coated, e.g., thermal break strips in double or triple glazing. On these non-metallic surfaces powder coatings may not adequately adhere and the final visual appearance may not be acceptable.

When aluminium and steel items are exposed to interior and exterior environments it is essential that should only one side of a section of metal be coated, it must be in a sealed environment, i.e, not exposed to moisture, air and excessive heat. Should the seal fail, and a claim is made for an Alumi Shield™ or Steel Shield™ warranty project this will be void as the integrity of the seal is not the responsibility of Dulux.

Performance Guide

Exterior Durability	Excellent resistance to weathering, providing extended protection for aluminium.	**Salt**	Excellent salt spray corrosion resistance over pre-treated aluminium (3000 hours according to ASTM B117) and on suitably prepared mild steel (1,000 hours according to ASTM B117) with a 3-coat system.
Heat Resistance	Excellent resistance to 120°C continuous service conditions. Surfaces are not designed to be touched or mechanically abraded above 50°C.	**Water**	Excellent resistance to blistering at 38°C/100% humidity for 3000 hours on pre-treated aluminium and 1,000 hours on suitably prepared mild steel with a 3-coat system.
Solvent	Resistant to methylated spirits and isopropyl alcohol. Avoid contact with, for example white spirits, mineral turpentine and kerosene, etc.	**Abrasion**	Very good resistance to abrasion. Abrasion Coefficient > 20 (ASTM D968 falling sand test method).
Acid	Resistant to the 15 minute spot test for Muriatic Acid, and 30 minute Nitric Acid test as per AAMA 2604.	**Alkali**	Resistant to spills of dilute alkali at room temperature. Avoid contact.

Typical Properties

Gloss Level	Matt 21-45 at 60°| Satin 46-75 at 60° | Gloss >76 at 60°	**Coverage**	8 10m ²/kg corresponds to 80µm cured film thickness when fully reclaiming over sprayed powder in accordance with Dulux recommendations.
Shelf Life	2 years from date of manufacture if stored at < 25 °C in dry conditions.	**V.O.C Level**	Not formulated with Volatile Organic Compound (VOCs).
Colour	A limited range of stock colours. If you cannot find the colour you require Dulux offer a Custom colour service. Call 13 24 99.		
Meets GBCA VOC Requirement?	Yes (Powder Coatings Only). This Premium Powder Coating: • Contains no harmful volatile organic solvents • Is free of heavy metal pigments such as lead, cadmium, arsenic & mercury • Is produced with stringent Safety, Health & Environmental policies and standards • Is manufactured in facilities where significant energy and resources employed in production, are measured with aggressive reduction targets in place • Is produced with minimal waste Consequently, this Premium Powder Coating is a prime consideration for projects where air quality standards have been set such as 4, 5 & 6 Green Star Rating Projects.		
Film Build (microns)	Recommended 80µm, range 60-120µm. NOTE: For optimum coverage and colour consistency white & light colours require a tighter film build range of 70-100µm.	**Clean Up**	Gently sweep or vacuum loose powder. Avoid use of compressed air.
Application Method	Electrostatic Spray.	**Specific Gravity**	1.3 - 1.7 depending on colour.
Flexibility	< 9 Nm (< 80 in/lb) by direct impact with a 3mm substrate deformation.	**Pencil Hardness**	Min H - no rupture of film per ASTM D3363.
Cross Hatch Adhesion	No removal (ref AAMA 2604 test method).	**Chemical Resistance**	**Mortar** PASS (24 hours Pat test ref. EN 12206-1). **Methylated Spirits** Good resistance. **Isopropyl alcohol** Good resistance. **Acid** Resistant to dilute acid at ambient temperatures. Avoid contact. **Alkali** Resistant to dilute alkali at ambient temperatures. Avoid contact. **Stronger solvents** Avoid contact with, for example white spirits, mineral turpentine and kerosene etc.

Cure Schedule

Metal Temperature (°C)	Time (minutes)	Comments
210	8 Mins	Metal temperature (matt products).
200	10 Mins	Metal temperature (matt products).
190	15 Mins	Metal temperature (matt products).
210	4 Mins	Metal temperature (gloss & satin products).
200	5 Mins	Metal temperature (gloss & satin products).
180	8 Mins	Metal temperature (gloss & satin products).

Application Guide

Surface Preparation

- PREPARATION FOR ALUMINIUM SUBSTRATES

Etch;
• The etch process is an important stage of pre-treatment and close consultation with your pre-treatment supplier is strongly recommended to ensure optimum adhesion & corrosion resistance is obtained.
• Etch rates must be a minimum of 1gm/m².

Chrome Conversion Coatings;
• Chrome conversion weights must be a minimum of 431mg/m².

Chrome-free conversion coatings;
• Chrome-free - refer to your pre-treatment supplier as currently no standards address chrome-free.

Final deionised water rinse;
• The conductivity of the final rinse water draining from the aluminium articles must be less than 30 micro Siemens/cm² at 20°C.

Post rinse dry off temperature - consult your pre-treatment supplier but generally;
• < 75° C for chrome pre-treatment,
• < 120° C for chrome-free pre-treatment.
Pre-treated aluminium must be handled very carefully with clean lint-free gloves and powder coated within the time specified by the pre-treatment supplier - this is generally within 16 to 48 hours.

	Dulux Accredited Powder Coaters must comply with the metal pre-treatment guidelines set out in the Accredited Alumi Shield™ Manual. PREPARATION FOR STEEL SUBSTRATES 1. Wash and degrease all surfaces to be coated in accordance with AS1627.1 with a free-rinsing, neutral/alkaline detergent, in strict accordance with the manufacturer's written instructions and all safety warnings. 2. Wash with fresh potable water and ensure that all soluble salts are removed. Testing if required can be done in accordance with AS 3894.6 for the determination of residual contaminants. 3. Grind all sharp edges with a power tool to a minimum radius of 2mm. 4. Hand or power tool clean welds to AS1627.2 to remove roughness. Remove filings, preferably by vacuum. 5. Abrasive blast clean all steel surfaces to be powder coated in accordance with AS 1627.4 to the visual cleanliness standard of SA 2.5. Use a medium that will generate a surface profile of 35 to 65 microns. In situations where it is not possible to prepare your item on all surfaces as described above, for long term protection against corrosion it is strongly recommended whenever possible, that an alternative substrate such as aluminium be considered. Failure to suitably prepare your steel substrate may void your Steel Shield™ Warranty. 6. The steel must be coated within 4 hours of blasting and stored in an area which is clean and dry. Dulux Accredited Powder Coaters must comply with the metal pre-treatment guidelines set out in the Accredited Steel Shield™ Manual.
Application Procedure And Equipment	▪ APPLICATION; Powder must be < 2 years from date of manufacture and stored at < 25 °C in dry conditions. Application is generally by electrostatic spray. Light colours may require a higher minimum film build for optimum coverage and colour consistency. Theoretical Coverage rate at recommended film thickness; A coverage rate of 8-10m²/kg corresponds to 80µm cured film thickness assuming minimal loss i.e., over sprayed powder is reclaimed or recycled, sieved and mixed with virgin (fresh) powder under controlled conditions – a general rule of thumb is < 20% of reclaim powder continuously added to the fresh (virgin) powder to maintain a consistent finish. Extra care should be taken with reclaiming blended products. Practical coverage rates will vary due to such factors as method of application, surface profile and texture. Apply with equipment and control systems to enable correct metal pre-treatment and control of the application and oven condition. Dulux Accredited and Dulux Prime Accredited Powder Coaters must comply with recommendations as set out in the Accredited Applicator Manuals. 1a) For fluidised beds, ensure uniform fluidisation of powder. Powder found to be compacted may require fluidising for a few minutes prior to coating - powder should resemble a rolling motion. 1b) Box feeders can be used when spraying bonded pearls and metallic powders, though it is not best practice. Box feeders are not recommended for spraying blended pearls and metallic powders. 2 Apply by electrostatic spray. 3 Cure as per recommendations outlined above. Air temperatures exceeding 220°C may result in irreversible colour & gloss variation in light and bold colours and excessive temperatures may result in irreversible damage to the powder coating film. 4 Test for cure of the coating by contact with a drop of PGMEA for 30 seconds. Surface should be wiped dry and left for 60 seconds and then checked for softening. Only slight softening and minimal colour transfer to test cloth should occur. SPECIFICATIONS; Specifications for all approved substrates are available that detail full coatings systems required including where primers are required. These include, On Aluminium; Powder Primers may be necessary on appropriately pre-treated perforated and expanded aluminium for a Alumi Shield™ Warranty as detailed below; a. Interior - general interior conditions (E-Prime™/Grey Primer base coat not mandatory); Moderate interior (E-Prime™/Grey Primer base coat mandatory). b. Exterior mild - (E-Prime™/Grey Primer base coat not mandatory); Severe -(E-Prime™/Grey Primer basecoat mandatory). On Mild Steel, Powder primers are required for all Steel Shield™ Warranties on appropriately prepared mild steel substrates as detailed below; a. In Mild (medium) exterior and moderate interior (medium) environments a 5 year corrosion warranty is available with a Zincshield® and the specified topcoat system. b. In Mild (medium) exterior and moderate interior (medium) environments a 10 year corrosion warranty is available with a Zincshield®, E-Prime™/Grey Primer and the specified topcoat system. For more information about all specifications for aluminium and mild steel substrates call 13 2499 visit duluxpowders.com.au.

Care And Maintenance

PACKAGING PRE-INSTALLATION;
Attention to packing is essential for powder coaters and fabricators to ensure that all powder coated sections are received in good condition.
When packing powder coated assets, it is recommended that;
• Sections must be adequately cooled prior to packing the metal temperature must not exceed 40°C on packing.
• Appropriate protective wrapping is recommended prior to packing to avoid damage during transport. It is recommended these are tested prior to use to confirm they are suitable.
• If protective tapes are used, ensure that the tape will remain removable following transport, fabrication and installation and not irreversibly mark or damage the coating. Tapes should be used in accordance with the manufacturer's instructions and only remain in contact for the minimum amount of time. It is recommended these are tested prior to use to confirm they are suitable.
• Packed metal should be kept away from direct sunlight and moisture to avoid coating defects.

CARE & MAINTENANCE POST INSTALLATION;
When applying sealants take care to ensure the sealant doesn't come into contact with the powder coating film. If it does it must be immediately cleaned off in accordance with the Dulux Care and Maintenance procedure.

A SIMPLE AND REGULAR MAINTENANCE PROGRAM MUST BE IMPLEMENTED AND RECORDED IN LINE WITH THE DULUX POWDERS CARE AND MAINTENANCE SCHEDULE TO;
1. Comply with Dulux Warranty Requirements,
2. Ensure the life of your asset is maximised.
It is important that architects, specifiers, powder coaters, fabricators, manufacturers and builders ensure they reinforce this message to the end asset owner.
For more information refer to the Dulux Care and Maintenance brochure available at duluxpowders.com.au/tech-advice or call 13 24 99

Health And Safety

MSDS Number	DLXGHSEN003453 (non-hazardous) DLXGHSEN003495 (hazardous)	**Safety Precautions**	The SDS is an integral part of using this product as it contains information on the potential health effect of exposure, personal protective equipment needed and other relevant SH&E information. For detailed information, refer to product label and the current Chemical Data Sheet on duluxpowders.com.au or call the Advice line on 13 24 99

In the case of emergency, please call 1800 033 111

Transport And Storage

Package Weight	20 KG	**Shipment Name**	Not dangerous goods. No special transport requirements.
Flash Point	N/A	**UN Number**	N/A
Dangerous Goods Class	N/A	**Package Group**	N/A

Images

Dulux AccreditedPowderCoater

For more information visit duluxpowders.com.au/accredited

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Dulux DuSpec Datasheet

Dulux AcraTex AcraShield Advance

AUDA0432

Part A	194 line	Approvals	CONFORMS TO AS4548.1, AS4548.2 : Long Life Coatings for Masonry

Product Overview

DULUX AcraTex AcraShield Advance is a high build, pigmented, water based 100% acrylic coating available in matt, low gloss and gloss finishes.
It is designed to overcoat DULUX AcraTex textured coatings.

Features And Benefits

- 10 year warranty
- Water based
- Tintable
- Durable acrylic
- Flexible
- AntiCarbonation Properties
- Guaranteed long term exterior durability & water resistance.
- Easy, safe and economical clean-up.
- Extensive, deep colour range.
- Resists pollution, chemical attack and dirt pick-up.
- Crack bridging 6 times average film build.
- Resitance of Diffusion of Carbon Dioxide.

Uses And Typical Specifications

Uses

DULUX AcraTex AcraShield Advance is used as a protective topcoat over DULUX AcraTex texture coatings. It substantially upgrades the overall coating system durability & ensures greater colour consistency, especially over large areas. It significantly improves wash-ability, reduces dirt accumulation, pollution and chemical attack especially on high profile textured coatings.

Typical Systems

Typical System AUSA1132 Dulux AcraTex 955 AcraShield on Painted Masonry Surfaces

Preparation Guide REFER TO FULL SPECIFICATION AUSA1132 for PREARATION GUIDE
Premium System for Previously Painted Masonry Surface.
Incorporating AcraTex AcraPrime 501/2 Deep Penetrating Solvent based sealer and AcraTex 955 AcraShield ® is a mid build water borne, highly flexible
100% acrylic elastomeric membrane weatherproofing coating with excellent water impermeability, carbonation resistance, chloride ion resistance, and resistance to mould and mildew.
That can be applied by roller - conventional nap or low profile texture sleeves or airless spray to provide maximum crack bridging and anti-carbonation performance.
Not for immersion. Independent test certification is available on request.

Coat	Product	Spread Rate (m^2/L)	WFT (micron)	DFT (micron)
1st Coat	Acraprime Solvent Based	10	107	15
2nd Coat	AcraShield Advance	6.0	167	75
3rd Coat	AcraShield Advance	6.0	167	75
			Minimum System DFT	165

Precautions And Limitations

To ensure colour uniformity and for optimum performance, Dulux recommend a full coating system including a MEMBRANE top coat.
For ALL systems the Texture &/or Base Coat should be tinted in accordance with AcraTex Tint Guide to the specified top coat colour (or a colour as close as possible to the specified colour as product and tint rules allow). IMPORTANT: Not all colours are suitable for exterior use.
This product data sheets is to be read in conjunction with DULUX specification.
Ensure that you have adequate tinted stock to complete the job in one application. All material must be thoroughly cross-mix to ensure tint uniformity.
It is recommended to hold a volume of finish material for future maintenance touch-ups

Practical spreading rates will vary from quoted theoretical figures depending on substrate porosity, surface roughness, overspray losses, application methods and environmental conditions (e.g. wind).

All preparation and painting must conform to AS2311: The Painting of Buildings
At Commencement of coating system application, to the substrate it shall be deemed that the Applicator has certified that the surface which the coating/s is to be applied to, is fit to receive the specified coating(s) system.

Do not apply paint if Relative Humidity is above 85% or temperature is within 3°C of Dew Point.
Do not apply if the surface temperature is greater than 40°C or below 10°C, or likely to fall below 10°C during the application or drying period.
Dry times apply to a single coat at recommended spread rate and at 25°C and 50% Relative Humidity
Allow longer times under cool, moist, or still conditions and or when applied at high film builds.
Protect from dew, rain and frost for 48 hours when apply at the recommended spread rate.
Avoid application in hot, windy conditions or on hot surfaces cool the surface by hosing with water and paint the cool damp surface.

Application techniques should be adjusted to achieve the recommended DFT and finishing standard.
To avoid "Picture Framing" of texture topcoats "wet on wet" cutting in & coating technique is recommended or apply multiple coats thinning the first coat.
When using Bright Reds, Oranges, Blues and Yellows or where very light (or dark) colours are applied over highly contrasting colours an extra coat maybe required.

The coastal area is considered a marine environment and as such salt potentially can shorten the life of the coating systems. Care needs to be taken to wash down all areas twice. Once to remove surface contaminants, and raise salts to the surface and then secondly to remove these salts. Due to the locality, weather conditions and lag time between applications of the coating system it may require the need to wash again, between coats.

When the Applicator is preparing the site sample for approval he should advise the Project Superintendent if the substrate condition is not of sufficient standard to produce the specified finish.

Where possible avoid dark colours - these will give raise to much higher surface temperature that may cause addition thermal stress and cooling demand to the building envelope and/ or require extra engineering considerations (greater building costs).
Consult Dulux on the potential to use InfraCOOL Heat Reflective Coatings.
A DULUX warranty can be provided on request, when the FULL AcraTex system including a membrane topcoat/s is applied by a DULUX AcraTex trained applicator, according to specification, & at the specified spreading rates, & to the surface preparation details described in the DULUX AcraTex Specification Manual.
The dynamics of the substrate is outside the control of Dulux Australia and as such joint deformation or cracking is excluded from warranty terms.
Colour change is a natural part of a coating weathering and is excluded from warranty terms
Refer warranty document for full terms and conditions.
CEMENT RENDERS PRODUCE FINE CRACKS DURING DRYING AND CONTINUE TO CRACK & MOVE WITH VARIATIONS IN TEMPERATURE.
FOR ENHANCED PERFORMANCE USE A HIGH BUILD ELASTOMERIC (FLEXIBLE) COATING.
DULUX RECOMMENDS THE USE OF DULUX ACRASHIELD ADVANCE.

Fungi and Algae can exist on virtually any surface (even glass) provided the right conditions for growth are met.
Visible growth on painted surfaces is typically caused by contaminants present together with the presence of high enough levels of moisture to support growth. Agents in paints become ineffective where they cannot “touch” the growth source (eg where growth emanates from deposits on the film).
Additionally the active agents are “consumed” in the process such that protection is time limited where conditions support ongoing growth performance is greatly improved with the inclusion of a membrane Top coat like Dulux AcraTex AcraShield Advance, Elastomeric 201 or AcraSkin.
Refer: http://www.dulux.com.au/specifier/our-brands/dulux-acratex/more-than-just-render

The exterior texture coatings should be cleaned on a regular basis. This will help maintain your overall aesthetic appearance and preserve your AcraTex Texture coating system. Cleaning once every year will remove light soil as well as grime and airborne pollutants refer Dulux AcraTex Care & Maintenance Guide. Refer http://www.dulux.com.au/specifier/our-brands/dulux-acratex/acratex-care-and-maintenance

SURFACTANT LEACHING FROM EXTERIOR WATER-BASED COATINGS
Occasionally amber, clear or white spots/streaks are seen on a newly painted surface within the first few weeks after application. They usually appear after light rain or overnight dew and generally located in sheltered areas or areas with limited sun exposure. Under normal conditions surfactant contained in the tinted paint colour is slowly leached to the surface and washed away by rain leaving no trace and is a normal part of drying of any exterior water-based paint. Under certain atmospheric conditions and these surfactants leach or migrate to the paint surface, is concentrated forms and leaves clear or white deposits upon drying. These conditions include cool or humid weather or painting cold substrate and in most cases these marks on the wall surfaces are more noticeable on dark colours, such as browns or dark greens, etc..
The clear/white surfactants that have migrated to the wall surface areas will cause no down grading nor performance changes or long term durability concerns of the paint films integrity and unfortunately have become an appearance issue instead.
They easily removed from the paint film within a week or so of their appearance by washing with warm water & commercial grade detergent or via Nifti or Spray'n'Wipe followed by rinsing with fresh clean water.
Under severe conditions they may reappear once or twice until all the surfactant has been removed. It will be less noticeable each time, and can be removed in the same manner as before. Refer http://www.dulux.com.au/pdf/tech-advice/DLX_TECH_Leaching.pdf

CEMENT RENDERS PRODUCE FINE CRACKS DURING DRYING AND CONTINUE TO CRACK & MOVE WITH VARIATIONS IN TEMPERATURE.
FOR ENHANCED PERFORMANCE USE A HIGH BUILD ELASTOMERIC (FLEXIBLE) COATING. DULUX RECOMMENDS THE USE OF DULUX ACRASHIELD 955.

System Performance Testing Data

Test Result Name	Test Method	Unit of Measure	Result	Comments
ALL Test Results	Independently Tested	.	.	REFER TO SPECIFIC DATA SHEETS AUSA1408 AcraShield Advance Low Gloss AUSA1409 AcraShield Advance Matt

Performance Guide

Weather	Excellent resistance to cracking, flaking and chalking as topcoat of a full system.	**Salt**	Resists salt spray.
Heat Resistance	Up to 90C (dry).	**Water**	Contributes to outstanding moisture barrier properties of full texture systems.
Solvent	Resists alcohol and aliphatic hydrocarbons. Sensitive to other stronger solvents.	**Abrasion**	Very good resistance to abrasion.
Acid	Resists dilute acids.	**Alkali**	Resists dilute alkali.

Typical Properties

V.O.C Content	REFER TO SPECIFIC DATA SHEETS AUSA1408 AcraShield Advance Low Gloss AUSA1409 AcraShield Advance Matt	**Clean Up**	Clean up water Clean all equipment with water after use.
Meets GBCA VOC Requirement?	N/A		
Application Method	Air Spray, Airless Spray, Brush, Roller		

Application Conditions

Solids By Volume	45		
	Min	**Max**	**Recommended**
Wet Film Per Coat (microns)	167	222	167
Dry Film Per Coat (microns)	75	100	75
Recoat Time (min)	2 Hours	indefinite	
Theoretical Spread Rate (m^2/L)	6	4.5	6

Dulux Colour Base	BLACK, BLUE BASE, BOLD YELLOW, DEEP, EXTRA BRIGHT, ORANGE, TRUE RED, ULTRA DEEP, VIVID WHITE

Application Guide

Surface Preparation	• Ensure the texture coating is completely dry, especially during winter. The textured surface should be clean and of uniform texture and appearance. Ensure adequate masking is used to protect adjacent surfaces.
Application Procedure And Equipment	• Brush, roller and airless spray Brush and roll at the same time to avoid picture framing. • Product should be thoroughly mixed before use. Refer to the DULUX AcraTex Application Manual for detailed instructions. DULUX AcraTex AcraShield may be applied by brush, roller or airless spray. A 10-20mm nap roller is used depending on the type of texture being overcoated. Typical Airless Spray set up is: Graco Ultra 500 using 0.019-0.021 spray tip at approx. 1000 psi.

Health And Safety

MSDS Number	DLX003010 AcraShield Advance Matt DLX003011 AcraShield Advance Low Gloss	**Using Safety Precautions**	When spraying, inhalation of mists may produce respiratory irritation.
Health Effects	For detailed information refer to the product label and the current Material Safety data Sheet available through Dulux Sales and Customer Service Offices 13 25 25 AUS. For emergencies, please call Australia 1800 220 770 or New Zealand 0800 220 770. Ensure adequate ventilation. Take suitable safety precautions while preparing your surface or sanding a previously coated surface, including wearing an appropriate respiratory mask Hazardous respirable droplets may be formed when sprayed. Wear appropriate respiratory mask and do not breathe spray or mist. Health Effects: Splashes to the eye may cause eye irritation.	**Flammability**	Non Flammable
Protective Equipment	Wear eye protection and when spraying wear a dust mask	**Storage**	Store out of direct Sunlight in a cool dry area
Disposal	DO NOT pour down drains. Refer local regulation for disposal of water based wastes.		
In the case of emergency, please call 1800 033 111			

Transport And Storage

Pack A	194 line	**Shipment Name**	Not dangerous goods.; No special transport requirements.
Size 15 Litre		**Weight** 20.5 Kg	
Flash Point	NA	**UN Number**	NA
Dangerous Goods Class	NA	**Package Group**	NA

Images

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The data provided within the Duspec system is correct at the time of publication, however it is the responsibility of those using this information to check that it is current prior to specifying or using any of these coating/product systems.
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Please note that this document is only valid for 60 days from the date of issue.

DuluxGroup (Australia) Pty Ltd 1956 Dandenong Road, Clayton, Victoria 3168 AU ABN 67 000 049 427

Dulux DuSpec Datasheet

Dulux AcraTex 950 Roll On 00 Fine Texture Roller Finish AUDA0451

Part A	194-20814

Product Overview

DULUX AcraTex 950 Roll On 00 texture coating is a range of non-granular, water based acrylic texture coatings for application to various masonry substrates.

Features And Benefits

- Water based
- Easy to texture
- Versatile application
- 7 year warranty
- Easy, safe and economical clean-up.
- Range of texture profiles possible.
- Quick, efficient application with roller, spray and trowel.
- Guaranteed long term exterior durability.

Uses And Typical Specifications

Uses	Use DULUX AcraTex 950 Roll On 00 range of textured coatings where a highly decorative finish is required on internal and external surfaces. DULUX AcraTex 950 Roll On 00 is a low profile, non granular stipple coating. For optimum performance topcoat with DULUX 955 AcraShield.

Precautions And Limitations

To ensure colour uniformity and for optimum performance, Dulux recommend a full coating system including a MEMBRANE top coat.
For ALL systems the Texture &/or Base Coat should be tinted in accordance with AcraTex Tint Guide to the specified top coat colour (or a colour as close as possible to the specified colour as product and tint rules allow). IMPORTANT: Not all colours are suitable for exterior use.
This product data sheets is to be read in conjunction with DULUX specification.
Ensure that you have adequate tinted stock to complete the job in one application. All material must be thoroughly cross-mix to ensure tint uniformity.
It is recommended to hold a volume of finish material for future maintenance touch-ups

Practical spreading rates will vary from quoted theoretical figures depending on substrate porosity, surface roughness, overspray losses, application methods and environmental conditions (e.g. wind).

All preparation and painting must conform to AS2311: The Painting of Buildings
At Commencement of coating system application, to the substrate it shall be deemed that the Applicator has certified that the surface which the coating/s is to be applied to, is fit to receive the specified coating(s) system.

Do not apply paint if Relative Humidity is above 85% or temperature is within 3°C of Dew Point.
Do not apply if the surface temperature is greater than 40°C or below 10°C, or likely to fall below 10°C during the application or drying period.
Dry times apply to a single coat at recommended spread rate and at 25°C and 50% Relative Humidity
Allow longer times under cool, moist, or still conditions and or when applied at high film builds.
Protect from dew, rain and frost for 48 hours when apply at the recommended spread rate.
Avoid application in hot, windy conditions or on hot surfaces cool the surface by hosing with water and paint the cool damp surface.

Application techniques should be adjusted to achieve the recommended DFT and finishing standard.
To avoid "Picture Framing" of texture topcoats "wet on wet" cutting in & coating technique is recommended or apply multiple coats thinning the first coat.
When using Bright Reds, Oranges, Blues and Yellows or where very light (or dark) colours are applied over highly contrasting colours an extra coat maybe required.

The coastal area is considered a marine environment and as such salt potentially can shorten the life of the coating systems. Care needs to be taken to wash down all areas twice. Once to remove surface contaminants, and raise salts to the surface and then secondly to remove these salts. Due to the locality, weather conditions and lag time between applications of the coating system it may require the need to wash again, between coats.

When the Applicator is preparing the site sample for approval he should advise the Project Superintendent if the substrate condition is not of sufficient standard to produce the specified finish.

Where possible avoid dark colours - these will give raise to much higher surface temperature that may cause addition thermal stress and cooling demand to the building envelope and/ or require extra engineering considerations (greater building costs).
Consult Dulux on the potential to use InfraCOOL Heat Reflective Coatings.
A DULUX warranty can be provided on request, when the FULL AcraTex system including a membrane topcoat/s is applied by a DULUX AcraTex trained applicator, according to specification, & at the specified spreading rates, & to the surface preparation details described in the DULUX AcraTex Specification Manual.
The dynamics of the substrate is outside the control of Dulux Australia and as such joint deformation or cracking is excluded from warranty terms.
Colour change is a natural part of a coating weathering and is excluded from warranty terms
Refer warranty document for full terms and conditions.
CEMENT RENDERS PRODUCE FINE CRACKS DURING DRYING AND CONTINUE TO CRACK & MOVE WITH VARIATIONS IN TEMPERATURE.
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Fungi and Algae can exist on virtually any surface (even glass) provided the right conditions for growth are met.
Visible growth on painted surfaces is typically caused by contaminants present together with the presence of high enough levels of moisture to support growth. Agents in paints become ineffective where they cannot “touch” the growth source (eg where growth emanates from deposits on the film).
Additionally the active agents are “consumed” in the process such that protection is time limited where conditions support ongoing growth performance is greatly improved with the inclusion of a membrane Top coat like Dulux AcraTex AcraShield Advance, Elastomeric 201 or AcraSkin.
Refer: http://www.dulux.com.au/specifier/our-brands/dulux-acratex/more-than-just-render

The exterior texture coatings should be cleaned on a regular basis. This will help maintain your overall aesthetic appearance and preserve your AcraTex Texture coating system. Cleaning once every year will remove light soil as well as grime and airborne pollutants refer Dulux AcraTex Care & Maintenance Guide. Refer http://www.dulux.com.au/specifier/our-brands/dulux-acratex/acratex-care-and-maintenance

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The clear/white surfactants that have migrated to the wall surface areas will cause no down grading nor performance changes or long term durability concerns of the paint films integrity and unfortunately have become an appearance issue instead.
They easily removed from the paint film within a week or so of their appearance by washing with warm water & commercial grade detergent or via Nifti or Spray'n'Wipe followed by rinsing with fresh clean water.
Under severe conditions they may reappear once or twice until all the surfactant has been removed. It will be less noticeable each time, and can be removed in the same manner as before. Refer http://www.dulux.com.au/pdf/tech-advice/DLX_TECH_Leaching.pdf

Performance Guide			
Weather	Excellent resistance to cracking, flaking and chalking as part of full system.	**Salt**	Resists salt spray especially when topcoated with DULUX AcraTex 955 AcraShield.
Heat Resistance	Up to 90C (dry).	**Water**	Water Vapour Transmission 55g/24hr/sq.m. Water Transmission less than 1g/24hr/sq.m/kPa.
Solvent	Resists alcohol and aliphatic hydrocarbons. Sensitive to strong solvents.	**Abrasion**	Good abrasion resistance especially when topcoated with DULUX AcraTex 955 AcraShield.
Acid	Slight softening with dilute acids. Inert when topcoated with DULUX AcraTex 955 AcraShield.	**Alkali**	Slight softening with dilute alkali. Inert when topcoated with DULUX AcraTex 955 AcraShield.

Typical Properties

V.O.C Content	< 25 g/L untinted	**Clean Up**	Clean up water Clean all equipment with water after use.
Meets GBCA VOC Requirement?	N/A		
Application Method	Roller, Hopper Gun		

Application Conditions

Solids By Volume	60		
	Min	**Max**	**Recommended**
Wet Film Per Coat (microns)	583	800	583
Dry Film Per Coat (microns)	350	480	350
Recoat Time (min)	24Hours	NA	
Theoretical Spread Rate (m^2/L)	1.7	1.3	1.7

Typical Properties Notes

Practical spreading rates will vary from quoted theoretical figures depending on substrate porosity, surface roughness, overspray losses, application methods and environmental conditions (e.g. wind).

Do not apply paint if Relative Humidity is above 85% or temperature is within 3°C of Dew Point.
Do not apply if the surface temperature is greater than 30°C or below 10°C, or likely to fall below 10°C during the application or drying period.
Dry times apply to a single coat at recommended spread rate and at 25oC and 50% Relative Humidity
Protect from dew, rain and frost for 48 hours when apply at the recommended spread rate.
Allow longer times under cool, moist, or still conditions and or when applied at high film builds.
Avoid application in hot, windy conditions or on hot surfaces.

Application techniques should be adjusted to achieve the recommended DFT and finishing standard.
When using Bright Reds, Oranges, Blues and Yellows or where very light colours are applied over highly contrasting colours an extra coat maybe required.
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Under severe conditions they may reappear once or twice until all the surfactant has been removed. It will be less noticeable each time, and can be removed in the same manner as before.

At Commencement of coating system application to the substrate it shall be deemed that the Applicator has certified that the surface which it is to be applied to is fit to receive the specified coating(s) system.
When the Applicator is preparing the site sample for approval he should advise the Project Superintendent if the substrate condition is not of sufficient standard to produce the specified finish.

Where possible avoid dark colours - these will give raise to much higher surface temperature that may cause addition thermal stress and cooling demand to the building envelope and/ or require extra engineering considerations (greater building costs).
Consult Dulux on the potential to use InfraCOOL Heat Reflective Coatings.

The coastal area is considered a marine environment and as such salt potentially can shorten the life of the coating systems. Care needs to be taken to wash down all areas twice. Once to remove surface contaminants, and raise salts to the surface and then secondly to remove these salts. Due to the locality, weather conditions and lag time between applications of the coating system it may require the need to wash again, between coats.

This Data Sheet is to be read in conjunction with a full DULUX system specification.
A DULUX warranty can be provided on request, when a full AcraTex system is applied by a DULUX AcraTex trained applicator, according to specification, & at the specified spreading rates, & to the surface preparation details described in the DULUX AcraTex Specification Manual.
The dynamics of the substrate is outside the control of Dulux Australia and as such joint deformation or cracking is excluded from warranty terms.
Refer warranty document for full terms and conditions.

Application Guide

Surface Preparation	• All surfaces must be cured, clean, sound and free of all contaminants such as forms oils, release agents & mortar splashes. Surface imperfections misalignments & protrusions must be levelled, patched & completely flush to surrounding surfaces. Metal, tie wire etc on surface must be removed or treated against corrosion. Prime substrate with DULUX AcraTex 501 AcraPrime. Ensure that it is cured completely and covers the substrate evenly.
Application Procedure And Equipment	• MEDIUM TEXTURE ROLLER, COARSE TEXTURE ROLLER or Hopper Gun • Product should be thoroughly mixed before use. Refer to the DULUX AcraTex Application Manual for detailed application instructions. 00 Grade: Low profile by regular "MEDIUM TEXTURED ROLLER" at 1.7 sq.m/l, high profile by "COARSE TEXTURE ROLLER" at 1.5 sq.m/l, stucco by regular "MEDIUM TEXTURED ROLLER"& steel trowel at 1.25 sq.m/l, stipple by spray - hopper gun at 1.7 sq.m/l.

Health And Safety

MSDS Number	DLX003076	**Using Safety Precautions**	Wear eye protection
MSDS Link	https://go.lupinsys.com/duluxgroup/harms/public/materials/24be28a1ad9a1e567d2b7308c0922691-published/individual		
Health Effects	For detailed information refer to the product label and the current Material Safety data Sheet available through Dulux Sales and Customer Service Offices 13 25 25 AUS. For emergencies, please call Australia 1800 220 770 or New Zealand 0800 220 770. Ensure adequate ventilation. Take suitable safety precautions while preparing your surface or sanding a previously coated surface, including wearing an appropriate respiratory mask	**Flammability**	Non Flammable
Storage	Store out of direct Sunlight in a cool area		
In the case of emergency, please call 1800 033 111			

Transport And Storage

Pack A	194-20814	**Shipment Name**	Not dangerous goods.; No special transport requirements.
Size 15 Litre		**Weight** 22 Kg	
Flash Point	NA	**UN Number**	NA
Dangerous Goods Class	NA	**Package Group**	NA

Images

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Dulux DuSpec Datasheet

Dulux AcraTex Green Render Sealer

AUDA1582

Part A	19420802

Product Overview

DULUX AcraTex Green Render Sealer is a Water Based Primer/ Sealer designed principally for the preparation of fresh "green" masonry surfaces to minimise unsightly white salts or "efflorescence" migrating through the applied coating system and speed project coating schedules by reducing the traditional concrete/render "Alkalinity passivation" wait period.
AcraTex Green Render Sealer deigned to reduce the normal site mixed cement render "28 day / Bagged Render 7-10 days wait cycle"
- Green Render Sealer can be applied over 2 day old cement render providing moisture content has stabilised.

DULUX AcraTex Green Render Sealer is also an excellent general purpose primer with excellent adhesion to masonry surfaces and correctly cleaned and prepared previously painted acrylic surfaces.

Features And Benefits

- Superior water and alkali resistance
- Seals and Primes masonry surfaces
- Penetrating binder
- Water based,
- Fast track coating
- Ensures good, uniform adhesion of topcoat
- Consolidates masonry surfaces
- Low VOC
- Reduces Scaffolding Hire costs

Uses And Typical Specifications

Uses

Green Render Sealer can be used over all masonry surfaces to provide excellent system adhesion and integrity with long term durability.
The primer forms a barrier over alkali substrates limiting the reaction with atmospheric Carbon Dioxide thus reducing the formation of unsightly white deposits or "efflorescence" on the surface typically associated with coating of highly alkaline "Fresh" masonry.
The primer allows for reduced substrate curing time prior to coating, thus fast tracking project work and reducing overall project costs and construction time.

Typical Systems

Typical System AUSA4953 Dulux AcraTex for New Brick/Blockwork [Exterior]

Preparation Guide REFER AUSA4953 Dulux AcraTex AcraSkin Low Gloss / Dulux AcraTex Coventry Coarse Sand Finish on New Brick/Blockwork [Exterior] for full Preparation Guide.

Premium High Build Levelling and Acrylic Texture Finishing System for application over new & uncoated aged Brick work & Block work.
Incorporating:
AcraTex RenderWall as a Cementitious surface leveling base coat render used to level out brick work & block work irregularities to produce high quality even
surface readiness for application of a high acrylic texture finishing system .
AcraTex Green Render Sealer (GRS) deigned to reduce the normal site mixed cement render "28 day /Bagged Render 7-10 days wait cycle "
- Green Render Sealer (GRS) can be applied over 2 day old cement render providing moisture content has stabilised.
AcraTex 951 Coventry Coarse is a decorative, low build protective coating displaying excellent resistance to weathering and atmospheric chemicals. The finish will resemble that of a coarse granual render which is sponge floated.
AcraTex AcraSkin, weather-proofing topcoat, applied by conventional NAP roller to provide a paint like appearance with excellent water impermeability, resistance to mould and mildew, high build crack bridging performance for long term protection of cement render substrates.
Cement Render is hard and brittle due to the inherent nature of cement. Cement render will develop shrinkage cracks on aging and continues to harden
(Hydration process) over its life cycle, further increasing risk of cracking. - Dulux does not recommend low build (conventional) paint finishes over cement render. Not for immersion.
Refer Dulux Representative for specific project advice relative to site conditions.

Coat	Product	Spread Rate (m^2/L)	WFT (micron)	DFT (micron)
Prep Coat	Renderwall	0.3	4000	4000
1st Coat	Green Render Sealer	8	125	44
Intermediate	951 Coventry Coarse	0.8	1333	1000
2nd Coat	968 AcraSkin	3.1	322	165
3rd Coat	968 AcraSkin	3.1	322	165
			Minimum System DFT	5374

Notes REFER AUSA4953 Dulux AcraTex AcraSkin Low Gloss / Dulux AcraTex Coventry Coarse Sand Finish on New Brick/Blockwork [Exterior] for full details.

Precautions And Limitations

DO NOT TINT WHEN EFFLORESCENEC RESISTANCE IS REQUIRED.
MAYBE TINTED WHEN TOP COATED WITH ACRASHEILD MIOX OR ACRASHIELD ALUMINIUM

Green Render Sealer's ability to restrict the formation and transition of efflorescence relays on the formation of a continuous "barrier" layer, thus requiring specific attention through the application process to ensuring adequate and consistent cover.
This product data sheets is to be read in conjunction with DULUX specification.
Ensure that you have adequate tinted stock to complete the job in one application. All material must be thoroughly cross-mix to ensure tint uniformity.
It is recommended to hold a volume of finish material for future maintenance touch-ups

Practical spreading rates will vary from quoted theoretical figures depending on substrate porosity, surface roughness, overspray losses, application methods and environmental conditions (e.g. wind).

All preparation and painting must conform to AS2311: The Painting of Buildings
At Commencement of coating system application, to the substrate it shall be deemed that the Applicator has certified that the surface which the coating/s is to be applied to, is fit to receive the specified coating(s) system.

Do not apply paint if Relative Humidity is above 85% or temperature is within 3°C of Dew Point.
Do not apply if the surface temperature is greater than 40°C or below 10°C, or likely to fall below 10°C during the application or drying period.
Dry times apply to a single coat at recommended spread rate and at 25°C and 50% Relative Humidity
Allow longer times under cool, moist, or still conditions and or when applied at high film builds.
Protect from dew, rain and frost for 48 hours when apply at the recommended spread rate.
Avoid application in hot, windy conditions or on hot surfaces cool the surface by hosing with water and paint the cool damp surface.

Application techniques should be adjusted to achieve the recommended DFT and finishing standard.
To avoid "Picture Framing" of texture topcoats "wet on wet" cutting in & coating technique is recommended or apply multiple coats thinning the first coat.
When using Bright Reds, Oranges, Blues and Yellows or where very light (or dark) colours are applied over highly contrasting colours an extra coat maybe required.

The coastal area is considered a marine environment and as such salt potentially can shorten the life of the coating systems. Care needs to be taken to wash down all areas twice. Once to remove surface contaminants, and raise salts to the surface and then secondly to remove these salts. Due to the locality, weather conditions and lag time between applications of the coating system it may require the need to wash again, between coats.

When the Applicator is preparing the site sample for approval he should advise the Project Superintendent if the substrate condition is not of sufficient standard to produce the specified finish.

Where possible avoid dark colours - these will give raise to much higher surface temperature that may cause addition thermal stress and cooling demand to the building envelope and/ or require extra engineering considerations (greater building costs).
Consult Dulux on the potential to use InfraCOOL Heat Reflective Coatings.
A DULUX warranty can be provided on request, when the FULL AcraTex system including a membrane topcoat/s is applied by a DULUX AcraTex trained applicator, according to specification, & at the specified spreading rates, & to the surface preparation details described in the DULUX AcraTex Specification Manual.
The dynamics of the substrate is outside the control of Dulux Australia and as such joint deformation or cracking is excluded from warranty terms.
Colour change is a natural part of a coating weathering and is excluded from warranty terms
Refer warranty document for full terms and conditions.
CEMENT RENDERS PRODUCE FINE CRACKS DURING DRYING AND CONTINUE TO CRACK & MOVE WITH VARIATIONS IN TEMPERATURE.
FOR ENHANCED PERFORMANCE USE A HIGH BUILD ELASTOMERIC (FLEXIBLE) COATING.
DULUX RECOMMENDS THE USE OF DULUX ACRASHIELD ADVANCE.

Fungi and Algae can exist on virtually any surface (even glass) provided the right conditions for growth are met.
Visible growth on painted surfaces is typically caused by contaminants present together with the presence of high enough levels of moisture to support growth. Agents in paints become ineffective where they cannot “touch” the growth source (eg where growth emanates from deposits on the film).
Additionally the active agents are “consumed” in the process such that protection is time limited where conditions support ongoing growth performance is greatly improved with the inclusion of a membrane Top coat like Dulux AcraTex AcraShield Advance, Elastomeric 201 or AcraSkin.
Refer: http://www.dulux.com.au/specifier/our-brands/dulux-acratex/more-than-just-render

The exterior texture coatings should be cleaned on a regular basis. This will help maintain your overall aesthetic appearance and preserve your AcraTex Texture coating system. Cleaning once every year will remove light soil as well as grime and airborne pollutants refer Dulux AcraTex Care & Maintenance Guide. Refer http://www.dulux.com.au/specifier/our-brands/dulux-acratex/acratex-care-and-maintenance

Performance Guide

Weather	Excellent - enhances system durability	**Salt**	Resists migration of soluable salts
Heat Resistance	N/A - not tested	**Water**	Highly water resistant
Solvent	N/A - Not tested	**Abrasion**	N/A - not tested
Acid	N/A - not tested	**Alkali**	Excellent Alkali Resistance - Suitable over "green masonry" after 2 days of idea curing conditions. Under adverse conditions allow 14 days.

Typical Properties

V.O.C Content	20 g/L	**Clean Up**	Clean up water DO NOT THIN
Meets GBCA VOC Requirement?	Yes. Total Volatile Organic Content (TVOC) values are calculated in accordance to the stated methodology within Green Star Technical Manuals. The TVOC content is theoretically calculated as the sum total of the known VOC values of the product's raw material components. These materials include the base paint plus additional low VOC tinter required for non-factory packaged colours.		
Application Method	Air Spray, Airless Spray, Brush, Roller		

Application Conditions

Solids By Volume	35		
	Min	**Max**	**Recommended**
Wet Film Per Coat (microns)	125	125	125
Dry Film Per Coat (microns)	43.75	43.75	43.75
Recoat Time (min)	2 hrs	indefinite	
Theoretical Spread Rate (m^2/L)	8	8	8

Typical Properties Notes

Brush, Roller and Airless spray
Brush and roll at the same time to avoid picture framing.
Product should be thoroughly mixed before use. Refer to the DULUX AcraTex Application Manual for detailed instructions.
A 10-20mm nap roller is used depending on the type of texture being overcoated.
Typical Airless Spray set up is: Graco Ultra 500 using 0.017-0.019 spray tip at approx. 1000 psi.

Application Guide

Surface Preparation

- Ensure alkaline surfaces have been aged for at least 2 days.
  Concrete / Cement Render curing times may require extended curing times dependant on cure conditions.
  All surfaces must be cured (substrate has reached a stable moisture content), clean, sound and free of all contaminates such as form oils, release agents, mortar splashes, mould and algae. Surface imperfections misalignments and protrusions must be levelled and patched and completely flush to surrounding surfaces. Metal, tie wire, etc. on surface must be removed or treated against corrosion.

  Application :

  Refer to the Acratex Texture Coatings Applicators Training Manual for detailed instructions.
  Green Render Sealer may be applied by airless spray, roller or brush.
  Applications must form a continuous "barrier" film to maximise efflorescence blocking.

Application Procedure And Equipment

- Brush, roller and airless spray
  Brush and roll at the same time to avoid picture framing.
  Product should be thoroughly mixed before use. Refer to the DULUX AcraTex Application Manual for detailed instructions.
  A 10-20mm nap roller is used depending on the type of surface profile being overcoated.
  Typical Airless Spray set up is: Graco Ultra 500 using 0.017-0.019 spray tip at approx. 1000 psi.

Health And Safety

MSDS Number	DLX002555	**Using Safety Precautions**	Refer Material Safety Data Sheet for full detail. Ensure protection from splashes to exposed skin and eyes. Ensure adequate ventiliation.
MSDS Link	https://go.lupinsys.com/duluxgroup/harms/public/materials/fee62a9c4b8013f1e9ea398e9cbbcca2-published/individual		
Health Effects	For detailed information refer to the product label and the current Material Safety data Sheet available through Dulux Sales and Customer Service Offices 13 25 25 AUS. For emergencies, please call Australia 1800 220 770 or New Zealand 0800 220 770. Ensure adequate ventilation. Take suitable safety precautions while preparing your surface or sanding a previously coated surface, including wearing an appropriate respiratory mask Refer Material Safety Data Sheet for full detail. NOT classified as Hazardous according to criteria of NOHC.	**Flammability**	Non Flammable
Protective Equipment	Refer Material Safety Data Sheet for full detail	**Storage**	Store out of direct sunlight in a cool area.
Disposal	DO NOT pour down drains. Refer local regulation for disposal of water based wastes.		
In the case of emergency, please call 1800 033 111			

Transport And Storage

Pack A	19420802	**Shipment Name**	Water Based Paint
Size 15L		**Weight** 18kg	
Flash Point	N/A	**UN Number**	N/A
Dangerous Goods Class	N/A	**Package Group**	N/A

Images

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Dulux DuSpec Datasheet

Dulux Weathershield Low Sheen

AUDD0053

Part A	54L LINE
Approvals	APAS 0280/3 (Vivid White, Deep & Ultra Deep Bases only)

Description

Dulux® Weathershield® has been specially designed to provide a tough hardwearing finish that provides protection from all weather conditions. Formulated with MaxiFlex™ Technology to expand and contract with the surface, Dulux guarantees Weathershield won't peel, flake or blister for 15 years provided it is applied according to an approved written Dulux DuSpec Specification.

Features

- Self Priming on most surfaces (see application guide below for further instructions)
- Tough & hard wearing
- Helps resist mould, dirt and stains
- Helps prevent tannin bleed
- Long lasting colour
- UV protection
- 100% acrylic paint
- Easy application

Benefits

- Apply straight onto most bare surfaces
- 2 hour recoat and easy clean up
- Excellent durability - expands & contracts with climate changes
- Long lasting
- No primer required to prevent staining on bare timber

Uses

DULUX WEATHERSHIELD® Low Sheen provides long lasting exterior decoration and protection for masonry, bricks, concrete, render, fibro cement, exterior timber - including dressed & rough sawn timber, decking, Zincalume ®, galvanised iron and correctly primed steel and wrought iron. Dulux guarantees that Weathershield will not blister, flake or peel for 15 years, provided it is applied according to an approved written Dulux DuSpec Specification. This guarantee does not cover paint failure caused by any breakdown of coatings applied previously. If Dulux Weathershield does not perform as specified above, Dulux will provide free of charge paint to rectify the affected areas.

Precautions And Limitations

All preparation and painting must conform to AS2311: The Painting of Buildings. Do not apply at air or surface temperatures below 10C or when temperatures may fall below 10C during the drying period. In summer paint on the shady side of the building. If conditions are hot and windy, cool the surface by hosing with water and paint the cool damp surface. Do not apply to roofs or surfaces used for the collection of drinking water. In normal conditions, 7 days curing is required to develop full hardness and resistance properties. Occasionally when dew or condensation forms on dried film, a slight milky deposit will be observed on the film. This is quite normal and does not impair the performance - simply hose or wipe it off with a damp rag. Dirt pick up and marring on high traffic areas, such as decking, may be more obvious over dark colours.
Where possible avoid dark colours on lightweight or panelised building systems as these will give rise to much higher surface temperature that may cause additional thermal stress and cooling demand to the building envelope and/or require extra engineering considerations. Always refer to the substrate manufacturer's LRV recommendation.

Performance Guide

Weather	Excellent resistance to weathering with very low level of chalking, colour change and dirt pick up on walls.	**Salt**	For galvanised iron within 1 km of the sea (or other salty areas), prime with Dulux All Metal Primer
Heat Resistance	Softens at temperatures above 70°C	**Water**	Resists prolonged rain and condensation.
Solvent	Sensitive to aromatic hydrocarbons, alcohols and ketones.	**Abrasion**	Good resistance to abrasion.
Acid	N/A	**Alkali**	N/A

Typical Properties

Gloss Level	5-20 at 60 degrees	**Thinner**	Water
Colour	A full range of colours from an extensive range of white and coloured bases.		
Dulux Colour Base	BLACK, BLUE, BOLD YELLOW, BRUNSWICK GREEN, DEEP, EXTRA BRIGHT, INDIAN RED, MISSION BROWN, ORANGE, TRUE RED, ULTRA DEEP, VIVID WHITE		
Components	1	**Number Of Coats**	2 or 3*
Toxicity	Lead free. Dry film is non-toxic.	**V.O.C. Level**	<45 g/L untinted
Meets GBCA VOC Requirement?	N/A	**Touch Dry**	20 Minutes
Clean Up	Water		
Clean Up Description	Clean all equipment with water		
Application Method	Air Spray, Airless Spray, Brush, Roller		

Application Conditions

Solids By Volume	38.4		
	Min	**Max**	**Recommended**
Wet Film Per Coat (microns)	63	63	63
Dry Film Per Coat (microns)	24	24	24
Recoat Time (min)	2 Hours	Indefinite	
Theoretical Spread Rate (m^2/L)	16	16	16

Application Guide

Surface Preparation	• All surfaces must be thoroughly cleaned and free of all dirt, dust, grease, loose or flaking paint. Efflorescence (white salts) on masonry or concrete surfaces must be treated. Remove efflorescence by wiping down with 5% solution of acetic acid (white vinegar). Hose down and allow to dry. Mould on timber/masonry/concrete/painted surfaces must be treated. Remove mould by washing with bleach solution and/or demossing chemical, then hose down. Occasionally an apparently sound old paint will lose adhesion when recoated, particularly if the new paint is darker in colour. To avoid this, check the adhesion of the old paint by cutting an 'X' through a clean area of the film with a sharp knife, press cellulose tape firmly across the cut and rip it off. If the old paint comes off with the tape it should be removed before repainting. PREVIOUSLY PAINTED SURFACES: Test if surface is sound. Scrape off all loose and flaking paint. Fill any cracks or holes with a suitable exterior filler. Dulux recommends Selleys(R) products. Sand all surfaces to a flat finish and remove greyed timber. Dust off. GALVANISED IRON: Clean with Scotch Brite and mild detergent solution. Rinse off thoroughly. GALVANISED IRON (aged): Remove white rust by wire brushing or scraping. Wipe surface clean with mineral turps to remove rust, grease, oils and dirt. Allow to dry. ZINCALUME, COPPER, BRASS & STAINLESS STEEL : Clean with mild detergent solution. Rinse off thoroughly. ZINCALUME (aged): Remove white rust by wire brushing or scraping. Clean with mild detergent solution. Rinse off thoroughly. STEEL/WROUGHT IRON (new): Wipe surface with mineral turps to remove residual rust, grease, oil and dirt. Allow to dry. STEEL/WROUGHT IRON (rusted) : Remove rust scale by scaping, sanding or wire brushing. Wipe surface with mineral turps to remove residual rust, grease, oil and dirt. Allow to dry. (Make sure that all rust is removed). BRICK/MASONRY/FIBRO & FIBRE CEMENT: Unpainted masonry surfaces should be cured for 28 dys before painting. Ensure surface is clean and clear of any loose sand or cement. Fill holes with exterior grouting cement. Wash down with water using stiff brush to remove all loose material. BARE UNPAINTED TIMBER: Fill nail holes with a flexible, exterior grade wood filler. Dulux recommends Selleys(R) products. Sand all dressed timber and remove greyed timber. Dust off. PRE-PRIMED TIMBER/FIBRE CEMENT & COLORBOND(R)/COLORSTEEL(R): Preparation can vary depending on the quality and conditions of pre-primed timber/fibre cement and COLORBOND(R) & COLORSTEEL(R) surfaces. For help and advice, please call Dulux Help & Advice on 13 25 25 for specific guidance. TILT UP & PRECAST CONCRETE: Due to possible variability in these surfaces, please call Dulux Help & Advice on 13 25 25 for specific guidance.
Application Procedure And Equipment	• *Some colours may require more than the recommended number of coats to achieve full opacity. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), when painting over contrasting colour, apply 1 coat of Dulux 1Step prepcoat. • Brush, roller, conventional and airless spray • Check the weather forecast. Do not paint on excessively cold or humid days. Exposure to rain or overnight dew whilst drying may result in the coating being damaged or removed. If painting during the hottest time of the day, cool the surface by hosing before painting and paint on the shady side of the house. Stir contents thoroughly before and during use with a broad flat stirrer, using an upward lifting action. Brush/Roller: Soak brush or roller in water before starting and use while still slightly damp. Thinning is usually not required. Airless or Conventional Spray: Suitable for application by all standard spray equipment. Apply wet even coats. If necessary thin with up to 100 ml/litre water to aid atomisation. Under hot or very windy conditions, up to 100 ml/litre of DULUX Hot Weather Thinner may be added to ease application. Within 1km of sea for GALVANISED IRON, ZINCALUME : Apply one coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield. STEEL/WROUGHT IRON : Apply 2 coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield. BARE SURFACES including BRICK, MASONRY, FIBRE CEMENT, ZINCALUME : Apply 3 coats of Weathershield. GALVANISED IRON : Apply 3 coats of Weathershield. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), apply 1 coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield. For ZINCALUME/GALVANISED IRON ROOFS: Apply 3 coats of Weathershield. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), apply 1 coat of Dulux All Metal Primer followed by 2 topcoats of Weathershield. BARE UNPAINTED TIMBER: Apply 3 coats of Weathershield. For Weathershield Chromamax Pigment Bases (True Red, Bold Yellow, Orange, Blue and Extra Bright bases), for improved resistance to cracking on hardwoods (eg Mt Ash, Oak), apply a coat of Dulux 1Step Prepcoat prior to the application of two topcoats of Weathershield. On PREVIOUSLY PAINTED SURFACES, apply 2 coats of Weathershield. Preparation/coating system can vary depending on the quality and conditions of PRE-PRIMED TIMBER/FIBRE CEMENT, COLORBOND(R) & COLORSTEEL(R) and TILT-UP & PRECAST CONCRETE surfaces. For help and advice, please call Dulux Help & Advice on 13 25 25 for specific guidance. Professional Painters refer to Duspec Specification Sheets to qualify for guarantee.

Health And Safety

MSDS Number	DLXGHSEN003376	**Health Effects**	For detailed information refer to the product label and the current Material Safety Data Sheet available through Customer Service. Health Effects: Splashes to the eye may cause eye irritation. When spraying, inhalation of mists may produce respiratory irritation. For detailed information refer to the product label and the current Material Safety Data Sheet available through Customer Service. Health Effects: Splashes to the eye may cause eye irritation. When spraying, inhalation of mists may produce respiratory irritation.
Protective Equipment	Wear eye protection and when spraying wear a dust mask.		
In the case of emergency, please call 1800 033 111			

Transport And Storage

Pack A	54L LINE	**Shipment Name**	Not dangerous goods.; No special transport requirements.
Size 1 Litre 4 Litre 10 Litre 15 Litre		**Weight** 1.4 Kg 5.5 Kg 13.5 Kg 22.2 Kg	
Flash Point	NA	**UN Number**	NA
Dangerous Goods Class	NA	**Package Group**	NA

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Dulux DuSpec Datasheet

Dulux Professional

Dulux Professional Total Prep

AUDD1169

Part A	664-89049
Approvals	APAS 0172

Description

DULUX PROFESSIONAL Total Prep is a high quality, 100% acrylic primer/sealer/undercoat, with excellent opacity, adhesion, flow and sealing and filling properties. It is suitable for interior and exterior use on a variety of surfaces.

Features

- Extremely high opacity
- Excellent adhesion
- Water based
- Multipurpose

Benefits

- Obliterates substrate allowing 2 coat system, saves application time.
- Sticks to substrates increasing life of paint system.
- Use under acrylic or oil based topcoats, 1 product does it all.
- Easy clean up, low odour.
- One product primes, seals and undercoats.

Uses

Use DULUX PROFESSIONAL Total Prep as a water based primer/sealer/undercoat on all interior and exterior brick, masonry, render, concrete, Hardiflex, paper faced wallboard, sound timber, Zincalume, galvanised iron, suitably primed metal and previously painted surfaces. All Dulux Professional water based and oil based topcoats can be used over this product.

Precautions And Limitations

All preparation and painting must conform to AS2311: The Painting of Buildings.
Do not overspread or exceed 14.0 square metres per litre per coat. In hot weather, rinse brush every half hour or use two and keep one standing in water.
Do not apply if temperature is under 10C, or when temperature of surface may fall below 10C during the drying period, otherwise film formation will not be complete and poor properties will result.

Performance Guide

Weather	Excellent when used as part of approved system.	**Heat Resistance**	Up to 70C.
Water	Excellent when topcoated with approved topcoat.	**Solvent**	Sensitive to aromatic hydrocarbons, alcohols and ketones.
Abrasion	Good when topcoated.		

Typical Properties

Gloss Level	Low Sheen	**Thinner**	Water
Colour	White, may be tinted up to 28ml (1Y) per litre.	**Components**	1
Toxicity	Lead free. Dry film is non-toxic.	**V.O.C. Level**	<45 g/L inclusive of Dulux Low VOC tinter.
Meets GBCA VOC Requirement?	Yes. Total Volatile Organic Content (TVOC) values are calculated in accordance to the stated methodology within Green Star Technical Manuals. The TVOC content is theoretically calculated as the sum total of the known VOC values of the product's raw material components. These materials include the base paint plus additional low VOC tinter required for non-factory packaged colours.	**Sanding Properties**	Excellent
Touch Dry	30 Minutes		
Clean Up	Water		
Clean Up Description	Clean all equipment with water.		
Application Method	Air Spray, Airless Spray, Brush, Roller		

Application Conditions

Solids By Volume	41.8		
	Min	**Max**	**Recommended**
Wet Film Per Coat (microns)	69	71	71
Dry Film Per Coat (microns)	29	27	27
Recoat Time (min)	2 Hours	Indefinite	
Theoretical Spread Rate (m^2/L)	14	14	14

Application Guide

Surface Preparation	▪ All surfaces must be thoroughly clean and free of all loose dirt, grease, mould, surface chalk and loose or flaking paint. New timber surfaces should be sanded smooth and dusted down prior to priming. Fill nail holes, imperfections and cracks with a suitable filler, sand and dust off. For plaster surfaces use sealer binder as the prepcoat.
Application Procedure And Equipment	▪ Roller, Brush & Spray ▪ Stir contents thoroughly before and during use. Apply direct from the can. May be applied to dampened surfaces. If applied over dry, porous surfaces, dampen surface before applying. Brush: Wet brushes with water prior to use to avoid clogging. Apply a full even coat direct from the container. Under hot conditions it may be necessary to thin with up to 100ml per litre of clean water. Roller: Using a medium nap roller apply a full even coat direct from the container and finish by light parallel strokes with a dry roller. Airless/Conventional Spray: Suitable for application by all standard spray equipment. If necessary thin with up to 100ml per litre of water to aid atomisation. NOTE: Spray application is not recommended for priming timber surfaces.

Health And Safety

MSDS Number	DLXGHSEN000234	**Health Effects**	For detailed information refer to the product label and the current Material Safety Data Sheet available through Customer Service. Splashes to the eye may cause eye irritation. When spraying, inhalation of mists may produce respiratory irritation.
Protective Equipment	Personal Protective Equipment: Wear eye protection and when spraying wear a dust mask.		

In the case of emergency, please call 1800 033 111

Transport And Storage

Pack A	664-89049	**Shipment Name**	Not dangerous goods. No special transport requirements.
Size 4 Litre 10 Litre 15 Litre		**Weight** 5.8 Kg 14.5 Kg 21.8 Kg	
Flash Point	NA	**UN Number**	NA
Dangerous Goods Class	NA	**Package Group**	NA

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Dulux DuSpec Datasheet

Dulux Aquanamel Gloss

AUDD1282

Part A	542 LINE
Approvals	APAS 0260/1 (Vivid White, Deep, Ultra Deep & Extra Bright Base only)

Description

DULUX Aquanamel Gloss is a waterbased interior/exterior acrylic enamel that dries to a glossy smooth and tough finish. DULUX Aquanamel Gloss can be used in many of the areas that traditional solvent based enamels are used, with all the time saving benefits of an acrylic paint. DULUX Aquanamel Gloss is non-yellowing and resists chipping. DULUX Aquanamel Gloss is highly recommended for doors, architraves, skirting boards, windows, timber trim and walls and is ideal for bathrooms, kitchens and laundries.

Features

- Water based
- Washable
- Hard Wearing

Benefits

- Easy Application, Fast drying
- Most marks can be removed with common household cleaners
- Use on doors & trim as an enamel replacement
- Excellent flowout of brushmarks and a glossy finish. (NOTE: The flowout and gloss is slightly lower than that of conventional enamels)

Uses

Use DULUX Aquanamel Gloss on doors and trim where a durable mark and moisture resistant finish is required.

Precautions And Limitations

Darker colours will show more signs of marking and scuffing than lighter colours. If you are considering using a darker colour in a high traffic area, we recommend the use of a protective clear coat such as intergrain UltraClear

All preparation and painting must conform to AS2311: The Painting of Buildings. Do not paint at temperatures below 10C or when the temperature of surface may fall below 10C during the drying period. Avoid exposure to steam and condensation for 48 hours after application. Although film is dry to touch in 30 minutes, allow 7 days for film to fully cure before cleaning with a cloth, or soft brush wet with detergent solution. Tinted colours: Ensure that paint is thoroughly shaken and stirred immediately after addition of tinter to can and again before use.

Performance Guide

Weather	Good resistance to weathering with low level of chalking, colour change and dirt pickup	**Salt**	N/A
Heat Resistance	Softens and sticks to other painted surfaces at over 70C	**Water**	Suitable for use in wet areas
Solvent	Sensitive to aromatic hydrocarbons and alcohols	**Abrasion**	Marks and soiling easily removed. Excellent wet and dry burnish resistance.
Acid	N/A	**Alkali**	N/A

Typical Properties

Gloss Level	80-85 at 60 degrees	**Thinner**	Water
Colour	White, Deep, Ultra Deep, Extra Bright, True Red, Orange, Bold Yellow, Blue, Black	**Components**	1
Number Of Coats	2*	**Toxicity**	Lead free. Dry film is non-toxic.
V.O.C. Level	<60 g/L inclusive of Dulux Low VOC tinter.	**Meets GBCA VOC Requirement?**	Yes. Total Volatile Organic Content (TVOC) values are calculated in accordance to the stated methodology within Green Star Technical Manuals. The TVOC content is theoretically calculated as the sum total of the known VOC values of the product's raw material components. These materials include the base paint plus additional low VOC tinter required for non-factory packaged colours.
Touch Dry	30 Minutes		
Clean Up	Water		
Clean Up Description	Clean all equipment with water		
Application Method	Air Spray, Airless Spray, Brush, Roller		

Application Conditions

Solids By Volume 35.4

	Min	Max	Recommended
Wet Film Per Coat (microns)	63	63	63
Dry Film Per Coat (microns)	22	22	22
Recoat Time (min)	2 Hours	Indefinite	
Theoretical Spread Rate (m^2/L)	16	16	16

Application Guide

Surface Preparation

- All surfaces must be thoroughly cleaned and free of all loose dirt, dust, grease, loose or flaking paint, and loose surface plaster. Efflorescence or mould on masonry or concrete surfaces must be treated. Flatten gloss surfaces by thoroughly sanding and wipe clean with a damp cloth, then apply primer, sealer or undercoat as required. For best results on exterior substrates such as timber, brick, blockwork, and compressed fibre cement sheet it is recommended to use Dulux Professional Acrlylic Primer.

Application Procedure And Equipment

- * Some colours may require more than the recommended number of coats to achieve full opacity.
- Brush, roller or HVLP spray
- Stir contents thoroughly before and during use with a broad flat stirrer using an upward lifting action.

Brush/Roller:
Brush- Dulux Professional range of brushes are recommended
Roller- Very short nap roller e.g. 5mm
Apply evenly, dividing area into patches about 50-60 square centimetres. Paint one patch at a time working back into previously applied paint. Finally lay off each patch with light vertical strokes again lapping lightly into previously painted patches.
On wall areas use a 5mm nap roller to achieve the smoothest finish. Do not lay off with a brush.
Generally thinning is not recommended, however, under hot conditions DULUX Hot Weather Thinner should be added to improve application performance to maximum of 50 ml per litre.
Airless/Conventional Spray: Airless/Conventional Spray:
Suitable for application by conventional or airless spray equipment. Up to 100mL/L of water may be added for application by conventional spray, up to 30mL/L of water for airless spray, and up to 5mL/L for HVLP spray, to aid atomisation.
Wagner recommendation: F230 Aircoat recommended.
Tip: 211 for archs and trim, 411 for doors
Pressure: 1100 PSI
1-1.5 at the bar at the gun
Graco recommendation: Air Assisted Airless.
Tip: 210 or 310
Pressure: 1100 PSI

Health And Safety

MSDS Number	DLXGHSEN001089	**Health Effects**	For detailed information refer to the product label and the current Material Safety Data Sheet available through Customer Service. Health Effects: Splashes to the eye may cause eye irritation. When spraying, inhalation of mists may produce respiratory irritation.. For detailed information refer to the product label and the current Material Safety Data Sheet available through Customer Service. Health Effects: Splashes to the eye may cause eye irritation. When spraying, inhalation of mists may produce respiratory irritation..
Protective Equipment	Personal Protective Equipment: Wear eye protection and when spraying wear a dust mask		

In the case of emergency, please call 1800 033 111

Transport And Storage

Pack A	542 LINE	**Shipment Name**	Not dangerous goods.; No special transport requirements.

Size	**Weight**
1 Litre 2 Litre 4 Litre 10 Litre	1.4 Kg 2.7 Kg 5.3 Kg 13.1 Kg

Flash Point	NA	**UN Number**	NA
Dangerous Goods Class	NA	**Package Group**	NA

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DuluxGroup (Australia) Pty Ltd 1956 Dandenong Road, Clayton, Victoria 3168 AU ABN 67 000 049 427

Dulux®
PROTECTIVE COATINGS

LUXAPRIME® Zinc Phosphate

High Build Anticorrosive Primer-Finish **PC 612**

FEATURES

- CONTAINS HIGH LEVELS OF ZINC PHOSPHATE
- NON-TOXIC ANTICORROSIVE PIGMENTATION
- CONTAINS MICACEOUS IRON OXIDE
- SUITABLE AS A PRIMER OVER POORLY PREPARED SURFACES
- SELF PRIMING TOPCOAT
- AVAILABLE IN ATTRACTIVE ENVIRONMENTAL COLOURS

USES

LUXAPRIME® Zinc Phosphate is a single pack high build anticorrosive primer which contains zinc phosphate and micaceous iron oxide pigments. The primer is highly resistant to moisture and gives superior performance over power or hand tool cleaned surfaces compared to conventional ROZP primers. The high build nature of the product allows up to 75 microns DFT in one coat.

LUXAPRIME® Zinc Phosphate is recommended as a primer or primer finish over steel, especially in circumstances where surface preparation is limited to power or hand tool clean standards. Abrasive blast cleaning is always recommended where it can be justified on economic or practical grounds.

LUXAPRIME® Zinc Phosphate is typically used on bridges, cranes, towers, tanks and roofs and especially as a primer-finish in environmental colours on general structural steelwork such as warehouses and factories.

SPECIFICATIONS AS 3750.19 Type 2

RESISTANCE GUIDE

HEAT RESISTANCE Up to 120°C dry heat.

WEATHERABILITY On exterior exposure some chalking may also occur. This will not detract from the protective properties of the coating. Use a weatherable topcoat if required for appearance.

SOLVENTS Withstands intermittent splash and spillage of aliphatic and aromatic hydrocarbons.

ACIDS Not recommended where fumes, splash or spillage may occur.

ALKALIS Not recommended where fumes, splash or spillage may occur.

SALTS Excellent resistance to splash and spillage of neutral salt solutions.

WATER Resists rain and condensation. Not recommended for permanently damp or immersed exposure.

ABRASION Good when fully cured.

TYPICAL PROPERTIES AND APPLICATION DATA

CLASSIFICATION	Anticorrosive primer-finish
FINISH	Metallic lustre
COLOUR	Standard Red, Light Grey and Blue
COMPONENTS	One
SOLIDS BY VOLUME	45% (Light Grey)
VOC LEVEL	<440 g/L (Light Grey)
FLASH POINT	32°C
POT LIFE	Not applicable
MIXING RATIO (V/V)	Single Pack

THINNER			
	Brush		Mineral Turpentine
	Spray	965-63034	DUTHIN® 340 Spray Thinner

PRODUCT CODE	
866-63112	Light Grey
866-63303	Standard Red
866-63065	Blue

APPLICATION CONDITIONS	Min	Max
Air Temperature	10°C	45°C
Substrate Surface Temperature	10°C	45°C
Relative Humidity		85%

	Min	Max	Recom.
Wet film per coat (microns)	110	175	165
Dry film per coat (microns)	50	80	75

SUITABLE SUBSTRATES Abrasive blast cleaned, hand cleaned or power tool cleaned steel.

APPLICATION METHODS Brush, roller, conventional, airless spray or air assisted spray.

Drying characteristics at 75 microns dry film thickness

Temperature	Humidity	Touch	Handle	Full Cure	Overcoat Min	Overcoat Max
10° C	50%	1 Hour	8 Hours*	7 Days	24 Hours	Indefinite
15° C	50%	45 Minutes	5 Hours*	7 Days	24 Hours	Indefinite
25° C	50%	30 minutes	2 Hours*	7 Days	24 Hours	Indefinite

These figures are given as a guide only, as ventilation, film thickness, humidity, thinning and other factors will influence the rate of drying. The surface can be marked for several days after application.

TYPICAL SPREADING RATE AT RECOMMENDED DRY FILM BUILD

A spreading rate of 6.0 sq. metres per litre corresponds to 75 microns dry film thickness assuming no losses.
Practical spreading rates will vary depending on such factors as method and conditions of application and surface roughness.

LUXAPRIME® Zinc Phosphate

TYPICAL SYSTEMS

(***The typical systems are offered as a guide only and are not to be used as a specification. It is recommended that the specific needs of a project be discussed with a Dulux Protective Coatings Consultant.)***

SURFACE	PREPARATION GUIDE	SYSTEM		DRY FILM THICKNESS
STEEL	Hand or Power tool clean AS1627.2 St 3 Abrasive blast AS1627.4 Class 1		Exterior or damp conditions	
		1st Coat	LUXAPRIME® Zinc Phosphate	75 Microns
		2nd Coat	LUXAPRIME® Zinc Phosphate	75 Microns
			Interior, cosmetic or mild inland	
		1st Coat	LUXAPRIME® Zinc Phosphate	75 Microns
			Exterior, mild industrial	
		1st Coat	LUXAPRIME® Zinc Phosphate	75 Microns
		2nd Coat	WEATHERSHIELD®	25 Microns

SURFACE PREPARATION

Round off all rough welds, sharp edges and remove weld spatter. Remove grease, oil and other contaminants in accordance with AS1627.1. Rust, millscale, oxide deposits and old paint films on metal surfaces should be removed by hand or power tool (AS1627.2 St 3) cleaning as a minimum. Coating performance is proportional to the degree of surface preparation and abrasive blast cleaning to a minimum AS1627.4 Class 2 is preferred for more severe environments. Remove all dust by brushing or vacuum cleaning.

APPLICATION

Stir each can thoroughly until the contents are uniform. Use of a power mixer is recommended. Remix thoroughly before using and continue mixing during application.

BRUSH/ROLLER

Apply a full coat without thinning. When brushing and rolling additional coats may be required to attain the specified thickness. In hot weather a small amount of mineral turpentine will ease application.

CONVENTIONAL SPRAY

Thin up to 100ml/litre with DUTHIN® 340 Spray Thinner (965-63034) to aid atomisation. Apply in multiple wet coats overlapping each pass 50%.

Typical Set-up

Graco Delta Gun:	1.8mm (239543)
Pressure at Pot:	70-100 kPa (10-15 p.s.i.)
Pressure at Gun:	410-480 kPa (60-70 p.s.i.)

AIRLESS SPRAY

Standard airless spray equipment such as a Graco 33:1 Bulldog with a fluid tip of 19-21 thou (0.48-0.53mm) and an air supply capable of delivering 550-690 kPa (80-100 p.s.i.) at the pump. Thinning is not normally required but up to 50 ml/litre of DUTHIN® 340 Spray Thinner (965-63034) may be added to ease application.

PRECAUTIONS

This is an industrial product designed for use by experienced Protective Coating applicators. Where conditions may require variation from the recommendations on this Product Data Sheet contact your nearest Dulux® representative for advice prior to painting. Do not apply in conditions outside the parameters stated in this document without the express written consent of Dulux Australia. Do not apply at temperatures below 10°C. Do not apply at relative humidity above 85% or when the surface is less than 3°C above the dewpoint. Do not overcoat before the minimum overcoat interval or wrinkling may occur. The surface can be marked for several days after application. Abrasive blast cleaned surfaces must be primed within 4 hours. When overcoating with approved two pack finishes or with finishes containing aggressive solvents, a drying period of at least 72 hours at 25°C is recommended. If unsure of the result lightly sand and test a small area before completing the major work.

CLEAN UP

Clean all equipment with DUTHIN® 340 Spray Thinner (965-63034) or mineral turpentine immediately after use.

OVERCOATING

Aged coating should be tested for lifting by a method appropriate for the coating thickness, for example 'X' cut or cross-hatch methods. If it lifts, remove it. The surface must be free of oil, grease and other contaminants. High-pressure water wash at 8.3 to 10.3 MPa (1,200 – 1,500 p.s.i.) to remove loosely adhering chalk and dust. Abrasion may be required depending on surface condition.

SAFETY PRECAUTIONS

Read Data Sheet, Material Safety Data Sheet and any precautionary labels on containers.

STORAGE

Store as required for a flammable liquid Class 3 in a bunded area under cover. Store in well-ventilated area away from sources of heat or ignition. Keep containers closed at all times.

HANDLING

As with any chemical, ingestion, inhalation and prolonged or repeated skin contact should be avoided by good occupational work practice. Eye protection approved to AS1337 should be worn where there is a risk of splashes entering the eyes. Always wash hands before smoking, eating, drinking or using the toilet.

USING

Use with good ventilation and avoid inhalation of spray mists and fumes. If risk of inhalation of spray mists exists, wear combined organic vapour/particulate respirator. When spray painting, users should comply with the provisions of the respective State Spray Painting Regulations.

FLAMMABILITY

This product is flammable. All sources of ignition must be eliminated in, or near the working area. DO NOT SMOKE. Fight fire with foam, CO_2 or dry chemical powder. On burning will emit toxic fumes.

WELDING

Avoid inhalation of fumes if welding surfaces coated with this paint. Grind off coating before welding.

MATERIAL SAFETY DATA SHEET is available from Customer Service (132377) or www.duluxprotectivecoatings.com.au

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PACKAGING	Available in 4 litre and 15 litre containers
TRANSPORTATION WEIGHT	1.45 kg/litre (Standard Red)
DANGEROUS GOODS	Class 3 UN 1263

Any advice, recommendation, information, assistance or service provided by DULUX Australia in relation to goods manufactured by it or their use and application is given in good faith and is believed by Dulux to be appropriate and reliable. However, any advice, recommendation, information, assistance or service provided by Dulux is provided without liability or responsibility PROVIDED THAT the foregoing shall not exclude, limit, restrict or modify the right entitlements and remedies conferred upon any person or the liabilities imposed upon Dulux by any condition or warranty implied by Commonwealth, State or Territory Act or ordinance void or prohibiting such exclusion limitation or modification. Products can be expected to perform as indicated in this sheet so long as applications and application procedures are as recommended. Specific advice should be sought from Dulux for application in coastal areas and for large projects to ensure proper performance.

Dulux®
PROTECTIVE COATINGS

ROADMASTER® WB2

Rapid Drying Water Borne Road Marking Paint **PC 684**

FEATURES

- ABLE TO INCORPORATE LARGE VISY® DROP ON REFLECTIVE GLASS BEADS
- NO HARSH SOLVENT ODOURS, MAKING IT ENVIRONMENTAL AND USER FRIENDLY
- EASY CLEAN UP PROPERTIES
- EXCELLENT DURABILITY
- NON FLAMMABLE

USES

ROADMASTER® WB2 is a fast dry water borne coating based on durable acrylic emulsion and can be applied to concrete and bitumen surfaces without bleeding or discolouration, providing clean lines of high visibility. A major feature of this product is its water borne properties, which make it an environmental friendly coating and much easier for the applicator to apply.
ROADMASTER® WB2 is particularly recommended for marking roadways, car parks and pavements where long term durability is required, typically in shopping centres, highways, factory and warehouse floors and is designed to meet the requirements of government departments, and councils.

SPECIFICATIONS Approved to APAS 0041/5
AS4049.3

RESISTANCE GUIDE

HEAT RESISTANCE Up to 90°C dry heat.

WEATHERABILITY Excellent resistance to exterior exposure.

SOLVENTS Resists alcohol, mineral turpentine and similar solvents. Esters, ketones, ethers, chlorinated solvents or similar strong solvents are liable to attack the coating.

ACIDS Not recommended where splash or spillage may occur.

ALKALIS Not recommended where splash or spillage may occur.

SALTS Unaffected by splash and spillage of neutral salt solutions.

WATER Resists rain and condensation. Not recommended for permanently damp or immersed exposure.

ABRASION Excellent resistance to tyre abrasion.

TYPICAL PROPERTIES AND APPLICATION DATA

CLASSIFICATION	100% acrylic roadmarking
FINISH	Flat
COLOUR	White and LF Yellow
COMPONENTS	One
SOLIDS BY VOLUME	61% (White)
VOC LEVEL	<40 g/L (White)
FLASH POINT	Non flammable
POT LIFE	Not applicable
MIXING RATIO (V/V)	Single pack
THINNER	Not Recommended
PRODUCT CODE	523-52123 White 523-82132 LF Yellow

APPLICATION CONDITIONS	Min	Max
Air Temperature	5°C	45°C
Substrate Surface Temperature	5°C	45°C
Relative Humidity		85%
Concrete Moisture Content		<10%

	Recom.
Wet film per coat (microns)	375
Dry film per coat (microns)	230

SUITABLE SUBSTRATES Clean asphalt and concrete.

APPLICATION METHODS Airless spray.

Drying characteristics at 230 microns dry film thickness

Temperature	Humidity	Touch	No Pick Up	Full Cure	Overcoat Min	Overcoat Max
25° C	50%	Not Applicable	< 5 Minutes	7 Days	1-2 Hours	Indefinite

These figures are given as a guide only, as ventilation, film thickness, humidity, thinning and other factors will influence the rate of drying.

TYPICAL SPREADING RATE AT RECOMMENDED DRY FILM BUILD

A spreading rate of 2.6 sq. metres per litre corresponds to 230 microns dry film thickness assuming no losses.
Practical spreading rates will vary depending on such factors as method and conditions of application and surface roughness.

ROADMASTER® WB2

TYPICAL SYSTEMS

(***The typical systems are offered as a guide only and are not to be used as a specification. It is recommended that the specific needs of a project be discussed with a Dulux Protective Coatings Consultant.)***

SURFACE	PREPARATION GUIDE	SYSTEM	DRY FILM THICKNESS
CONCRETE ASPHALT	Clean & Dry	1st Coat ROADMASTER® WB2	230 Microns

SURFACE PREPARATION

ROADMASTER® WB2 is designed for application to dry asphalt and concrete road and car park surfaces that are clean and free of oil and grease contamination.

APPLICATION

Stir each can thoroughly until the contents are uniform. Use of a power mixer is recommended. Remix thoroughly before using.

BRUSH/ROLLER

Brush and roller application is not recommended due to the speed of dry of the product.

CONVENTIONAL SPRAY

Thinning is not normally required, however a small amount clean potable water can be added. Apply in multiple wet coats overlapping each pass 50%.

Typical Set-up

Graco Delta Gun:	1.8mm (239543)
Pressure at Pot:	70-100 kPa (10-15 p.s.i.)
Pressure at Gun:	410-480 kPa (60-70 p.s.i.)

AIRLESS SPRAY

Standard airless spray equipment such as a Graco 33:1 Bulldog with a fluid tip of 15 thou (0.38mm) and an air supply capable of delivering 550-690 kPa (80-100 p.s.i.) at the pump. Do not thin.

PRECAUTIONS

This is an industrial product designed for use by experienced Protective Coating applicators. Where conditions may require variation from the recommendations on this Product Data Sheet contact your nearest Dulux® representative for advice prior to painting. Do not apply in conditions outside the parameters stated in this document without the express written consent of Dulux® Australia. Do not apply at relative humidity above 85% or when the surface is less than 3°C above the dewpoint. Do not apply to the road when rain threatens. Build up on the spray tip may occur in hot weather due to the rapid dry of this product. It is recommended that the gun tip be placed in a container of water when not in use. Application should be standardised to ensure uniformity in surface appearance and film thickness. When used in pedestrian areas use of a non-slip additive should be considered.

CLEAN UP

Clean all equipment with water immediately after use. Use Dulux® Epoxy Thinner (920-08925) to clean spray tips and remove any dry residue on equipment.

OVERCOATING

The surface must be free of oil, grease and other contaminants.

SAFETY PRECAUTIONS

Read Data Sheet, Material Safety Data Sheet and any precautionary labels on containers.

STORAGE

Store in a cool bunded area under cover. Keep containers closed at all times.

HANDLING

As with any chemical, ingestion, inhalation and prolonged or repeated skin contact should be avoided by good occupational work practice. Eye protection approved to AS1337 should be worn where there is a risk of splashes entering the eyes. Always wash hands before smoking, eating, drinking or using the toilet.

USING

Use with good ventilation and avoid inhalation of spray mists and fumes. If risk of inhalation of spray mists exists, wear combined organic vapour/particulate respirator. When spray painting, users should comply with the provisions of the respective State Spray Painting Regulations.

FLAMMABILITY

This product is non flammable. On burning will emit toxic fumes.

MATERIAL SAFETY DATA SHEET is available from Customer Service (132377) or www.duluxprotectivecoatings.com.au

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PACKAGING	Available in 15, 200, 500 and 1,000 Litre containers
TRANSPORTATION WEIGHT	1.77 kg/litre (White)
DANGEROUS GOODS	Non Dangerous Goods

Any advice, recommendation, information, assistance or service provided by DULUX Australia in relation to goods manufactured by it or their use and application is given in good faith and is believed by Dulux to be appropriate and reliable. However, any advice, recommendation, information, assistance or service provided by Dulux is provided without liability or responsibility PROVIDED THAT the foregoing shall not exclude, limit, restrict or modify the right entitlements and remedies conferred upon any person or the liabilities imposed upon Dulux by any condition or warranty implied by Commonwealth, State or Territory Act or ordinance void or prohibiting such exclusion limitation or modification. Products can be expected to perform as indicated in this sheet so long as applications and application procedures are as recommended. Specific advice should be sought from Dulux for application in coastal areas and for large projects to ensure proper performance.

Dulux DuSpec Datasheet

Cabot's

Cabot's Cabothane Clear Water Based Satin

AUDW1645

Part A	539 82009

Description

Cabot's Cabothane Clear Water Based is a highly durable, hard wearing and fast drying varnish suitable for use on timber doors, windows, trim and furniture. It is resistant to chemicals, oils, solvents and withstands abrasion, scuffing and scratching. It makes refreshing your previously coated timber easier than ever as it eliminates the need to sand prior to coating*. Cabothane Clear Water Based also contains UV absorbers, meaning it is Interior/Exterior durable and protects surfaces such as windows and doors that are exposed to sunlight. As it is water based, it's fast drying, low odour and clean up is easy with water. Cabot's Cabothane Clear Water Based also performs as a clear topcoat over Cabot's Interior Stain Water Based.

Features

- * No sanding required.
- High durability.
- Fast recoat - 2 hours.
- UV resistant.
- Low odour & non yellowing.

Benefits

- * No sanding is required for pre-coated interior timber.
- Highly durable coating to protect timber for longer.
- Recoat after only 2 hours.
- UV resistant to protect surfaces such as windows and doors which are exposed to sunlight.
- Virtually no odour for a more comfortable working environment. Coating will not yellow.

Uses

Timber doors, windows, trim and furniture.

Precautions And Limitations

* NO SANDING REQUIRED
No sanding is required for pre-coated interior timber, preparation steps above must be followed. Please note new timber and previously coated exterior timber must be sanded.

Do not apply this product in temperatures below 10°C or above 35°C, or when rain or heavy dew is expected during the drying period.
If using outside in hot temperatures, do not apply in direct sunlight. Cool the timber by lightly dampening with water and coat in the shade.

Note: For surfaces subject to extreme UV exposure, use Cabot's Exterior Clear.

Performance Guide

Weather	Interior and Exterior use.	**Salt**	Unaffected by splash or spillage.
Heat Resistance	Up to 100C.	**Water**	Good.
Solvent	Resists alcohol and hydrocarbons.	**Abrasion**	Moderate.
Acid	Suitable for dilute splash.	**Alkali**	Suitable for dilute splash.

Typical Properties

Gloss Level	Satin	**Colour**	Clear
Components	1	**Number Of Coats**	3
V.O.C. Level	< 15g/L	**Meets GBCA VOC Requirement?**	Yes. Total Volatile Organic Content (TVOC) values are calculated in accordance to the stated methodology within Green Star Technical Manuals. The TVOC content is theoretically calculated as the sum total of the known VOC values of the product's raw material components. These materials include the base paint plus additional low VOC tinter required for non-factory packaged colours.
Touch Dry	30 minutes		
Clean Up	Water		
Application Method	Air Spray, Brush		

Application Conditions

	Min	Max	Recommended
Solids By Volume	28		
Wet Film Per Coat (microns)			64
Dry Film Per Coat (microns)			18
Recoat Time (min)	2 hours		
Theoretical Spread Rate (m^2/L)			16

Typical Properties Notes

SPREADING RATE
Approximately 16 square metres per litre depending on the porosity and condition of the timber.

DRYING AND RECOAT TIME
All timings quoted at 25C and 50% humidity. Cooler or humid conditions may require longer.

Application Guide

Surface Preparation	* NO SANDING REQUIRED No sanding is required for pre-coated interior timber, preparation steps below must be followed. Please note new timber and previously coated exterior timber must be sanded. Note: Fill nail holes, cracks and other defects with Cabot's Wood Tone Putty after applying the first coat of this product for accurate colour matching. Remove stains, dirt, wax, grease and oil with mineral turpentine. Remove any polish with a suitable polish remover. Note Previously coated interior timber with highly visible scratches, imperfections or surfaces that are severely worn must be sanded prior to coating. BARE INTERIOR TIMBER Sand the surface smooth using 180 - 240 grit sandpaper. Sand only in the direction of the grain. Remove all traces of sanding dust. BARE EXTERIOR TIMBER Allow timber to weather for 4 - 6 weeks. For exterior surfaces only, clean with Cabot's Deck Clean following label instructions. PREVIOUSLY COATED INTERIOR TIMBER Thoroughly clean the surface with Cabot's Floor Clean and allow to dry. Apply one coat to a small test area. Allow to dry for 3 hours. Press sticky tape firmly to the surface and pull off quickly. If the coating comes off, sand back further to a sound surface. PREVIOUSLY COATED EXTERIOR TIMBER For best results, remove back to bare timber using a paint stripper, or sanding. For exterior surfaces only, clean with Cabot's Deck Clean following label instructions.
Application Procedure And Equipment	Note: Do not shake can Stir thoroughly with a broad flat paddle before and during use. Apply with a good quality brush or spray gun. If spraying, back brushing is recommended. If brushing, always brush in the direction of the grain. Allow to dry for a minimum of 2 hours. For best results, lightly sand to remove any grain raise using 240 grit paper. Remove all sanding dust. Apply 2nd & 3rd coats as above. STAINING BARE INTERIOR TIMBER If timber is to be stained, apply one coat of Cabot's Interior Stain Water Based or Stain & Varnish Water Based following label instructions. For Cabot's Interior Stain Water Based only: Allow stain to dry for 2 hours and apply 3 coats of Cabothane Clear following application procedure above. Note - To stain previously coated timber, sand back to bare timber before staining. HINTS Cabot's Cabothane Clear is not suitable for: previously wax coated finishes walk-on areas extreme UV exposure broad wall application For surfaces subject to extreme UV exposure, use Cabot's Exterior Clear.

Health And Safety

MSDS Number	14290601	**Using Safety Precautions**	Provide adequate ventilation. If using indoors keep windows and doors open during use and while drying.
Health Effects	If poisoning occurs, contact a doctor or Poisons Information Centre AUST 131 126, NZ 0800 764 766. SWALLOWED: If swallowed, give plenty of water to drink. Seek medical advice. EYE: If in eyes, rinse with plenty of water. Seek medical help if irritation occurs. For further information or a copy of the Product Safety Data Sheet telephone Cabot's Customer Service Department on AUST 1800 011 006, NZ 0800 222 687. For emergencies phone AUST 1800 033 111, NZ 0800 734 607.	**Flammability**	This product is non-flammable.
Protective Equipment	Wear eye protection, protective clothing and gloves, and if spraying, wear a respirator with a combined vapour/particulate cartridge.	**Storage**	Keep out of reach of children.
Disposal	Do not pour leftover paint down the drain. Unwanted paint should be brushed out on newspaper, allowed dry and then disposed of via domestic waste collections. Empty paint containers should be left open in a well ventilated area to dry out. When dry, recycle the container via steel can recycling programs. Disposal of empty paint containers via domestic recycling programs may differ between local authorities. Check with your local council first.		
In the case of emergency, please call 1800 033 111			

Transport And Storage

Pack A	539 82009

Size	Weight
4L 1L 500ml	4.5Kg 1.2Kg 0.6Kg

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