

Dulux AcraTex Acraprime Solvent Based Clear

AUDA0442

Part A	194-20801
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Product Overview
DULUX AcraTex AcraPrime Solvent Based primer/sealer is a deep penetrating sealer/primer for consolidating and unifying the surface integrity of masonry surfaces.

Features And Benefits
<ul style="list-style-type: none"> Primes masonry surfaces Penetrating binder Ensures good, uniform adhesion of topcoat. Binds friable masonry surfaces.

Uses And Typical Specifications	
Uses	DULUX AcraTex AcraPrime Solvent Based is used to prime and seal all masonry surfaces. It improves bonding on friable masonry surfaces and is used under DULUX AcraTex 953 Membrane 103 and 953 Membrane 105.
Typical Systems	<p>Typical System Previously Painted Masonary</p> <p>Preparation Guide PPP043 - PREVIOUSLY PAINTED MASONRY SURFACE</p> <p>ASSESS SUITABILITY</p> <p>Inspect to determine the degree of deterioration of existing coatings. Identification of the existing coating is also very helpful in determining the system procedure Check coating adhesion using the cross-hatch test.as per AS 1580.408.2 : Paints and related materials - Methods of test - Adhesion (cross-cut)</p> <p>CLEAN SURFACE</p> <p>Clean to remove all dirt, dust, efflorescence, laitance, powdery surfaces and all other surface contaminants by using a suitable cleaning agent and rinsing / water blasting clean with water. "1500" "2500" PSI water blast, this will also give a good indication as to its integrity. Treat mould with an appropriate mould treatment after the substrate has been pressure washed, leave for 24 hours prior to coating. Efflorescence should be wire brushed clean. If the coating is in bad condition then remove all paint with a scraper, wire brush, power sander or by burning off or chemical stripper.</p> <p>REPAIR SURFACE IMPERFECTIONS</p> <p>Prepare all areas that have poor adhesion, cracking, peeling and flaking by sanding, power sanding, scraping, wire brushing or grit blast to leave a clean surface. 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. Use an acrylic based patching compound with the addition of 10-20% fresh Portland cement to patch any surface defects then prime patched areas with a water based primer</p> <p>SANDING</p> <p>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. Glossy surfaces should be abraded then dusted down.</p> <p>PRIME</p> <p>Prime any bare areas with a suitable deep penetrating primer.</p> <p>ASSESS SUITABILITY / Previously Painted</p> <p>1. 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 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.</p> <p>2. The substrates surface condition must be of consistent density/integrity and not subject to continual wetting, hydrostatic pressure, spalling or other conditions that will cause premature coating failure</p> <p>SUBSTRATE INSPECTION & PREPARATION</p> <p>1. The surface must be inspected to ensure integrity and uniform consistency. Some cement renders may contain impurities or be contaminated; these contaminants may cause a surface staining resembling Rust. It is therefore important to pick out and remove</p>

- any contaminants such as rust stains, etc.
2. Drummy sections need to be identified as a hollow ring when tapped this will indicate poor adhesion of the render to substrate it was applied to. Considerations should be to given removing and reinstating using RenderWall and AcraBond as per bag directions to ensure compatible look and performance or as approved by the project consultant.
3. Remove all powdery friable layers, laitance, salts, pollutants or efflorescence by wire brushing, brooming down and or a suitable chemical treatment and allow drying.
4. 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.
5. Clean the surface thoroughly. Where a commercial cleaning detergent is used the surface must be thoroughly rinsed with clean water. This may need to be repeated on extremely dirty surfaces. Ensure that the surface is dry, clean and free from dust.
6. Fill any cracks or surface imperfections with suitable filler or patching compound compatible with the render and specified coating system and allow drying according to manufactures recommendation.
7. Recommendation to conduct a moisture test prior to coating application to ensure the moisture levels are within the recommended levels. Moisture meter capable of measuring concrete dampness in the substrate is acceptable. It is recommended that moisture test be done to working sections prior to painting and recorded as of the project quality control process. Where high levels of moisture exist longer drying times will be required.

Coat	Product	Spread Rate (m ² /L)	WFT (micron)	DFT (micron)
1st Coat	Acraprime Solvent Based	10	107	15
2nd Coat	968 Elastomeric 201	4	250	125
3rd Coat	968 Elastomeric 201	4	250	125

Minimum System DFT 265



Notes Apply in full accordance with Product and Application data sheets - by nap roller working well into the substrate profile.

A an extra coat maybe required to achieve the full system DFT of 250 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.

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 is to be read in conjunction with DULUX product data sheets

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.

NOTE - When brushing and rolling additional coats may be required to attain the specified thickness.

This is an abridged specification and must be read in conjunction with the appropriate Product Data Sheets and relevant Australian Standards.

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.

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).

Use colours with a LRV greater than 40% or consult Dulux on the potential to use InfraCOOL Heat Reflective Coatings that will keep the surface cooler.

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 any uneven projections will be highlighted and as such are outside the control / scope of this specification.

Performance Guide

Weather	Suitable for exterior application when topcoated.	Salt	Resists salt spray when topcoated.
Heat Resistance	Up to 90C when topcoated.	Water	Resists rain and condensation when topcoated.
Solvent	Resists aliphatic hydrocarbons, sensitive to alcohols and strong solvents.	Abrasion	Resists abrasion when topcoated.
Acid	N/A	Alkali	N/A

Typical Properties																											
V.O.C Content	< 555 g/L untinted	Clean Up	Clean up thinner Clean all equipment with mineral turpentine.																								
Application Method	 Air Spray  Airless Spray  Brush  Roller																										
Application Conditions	<table border="0"> <tr> <td>Solids By Volume</td> <td>14</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Min</td> <td>Max</td> <td>Recommended</td> </tr> <tr> <td>Wet Film Per Coat (microns)</td> <td>71</td> <td>143</td> <td>107</td> </tr> <tr> <td>Dry Film Per Coat (microns)</td> <td>10</td> <td>20</td> <td>15</td> </tr> <tr> <td>Recoat Time (min)</td> <td>16 Hours</td> <td>Indefinite</td> <td></td> </tr> <tr> <td>Theoretical Spread Rate (m²/L)</td> <td>14.1</td> <td>7</td> <td>10</td> </tr> </table>	Solids By Volume	14				Min	Max	Recommended	Wet Film Per Coat (microns)	71	143	107	Dry Film Per Coat (microns)	10	20	15	Recoat Time (min)	16 Hours	Indefinite		Theoretical Spread Rate (m²/L)	14.1	7	10		
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Application Guide	
Surface Preparation	<ul style="list-style-type: none"> Ensure alkaline surfaces have aged for 30 days minimum. <p>All surfaces must be cured, clean, sound and free of all contaminants such as form oils, release agents and mortar splashes. 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.</p> <p>Substrate Moisture Content: Moisture Content of dense concrete prior to coating should be less than 8% measured to a depth of at least 25mm and not be subject to re-wetting from latent sub-surface moisture or external sources. Typically this requires 8-12 weeks drying of dense precast or cast insitu concrete. Accurate measurement of concrete moisture content requires specialist equipment (typically involving drilling and insertion of probes embedded in an electrically conductive gel) Indicative surface spot measurement using a device with fine surface needle probes (generally referred to as "Equivalent Wood Moisture or EWM") is less reliable in discerning sub surface moisture and may produce variable results dependent on the density of the masonry under test and the presence of any substrate salts which can affect conductivity. Some units can operate in search or survey mode providing indications of potential sub surface areas of concern. Typically, "EWM" content prior to coating should be less than 12% and it is recommended that area review includes sub surface surveying to identify potential areas of concern. Alternatively a practical test to confirm "concrete safe to paint" involves taping (sealing all edges) of a 1m x 1m clear plastic sheet the concrete surface and leaving for 24 hours. Darkening of the concrete under the film or condensation on the underside of the film indicates the presence of excessive moisture.</p>
Application Procedure And Equipment	<ul style="list-style-type: none"> Brush, roller, conventional or airless spray. Do not leave primer for longer than 7 days before coating. A time lag between applications of the primer may lead to the build up of surface contaminants that may require the need to wash again. Product should be thoroughly mixed before use. <p>Refer to the DULUX AcraTex Application Manual for detailed application instructions. DULUX AcraTex AcraPrime Solvent Based may be applied by brush, roller and conventional or airless spray. A brush is required to cut in around edges and obstacles. Typical airless set-up: Graco Ultra 500,695,795 using 0.011-0.013 spray tip at approx 1000 psi. When applying Acraprime SB ensure that flooding is not achieved. This will result in a high gloss appearance.</p>

Health And Safety			
MSDS Number	13608501	Using Safety Precautions	Wear eye protection and when spraying wear a dust mask.
Health Effects	For detailed information refer to current Material Safety Data Sheet available through Dulux Sales and Customer Service Offices 132377 AUS. Health Effects: Splashes to the eye will cause severe eye irritation. For detailed information refer to current Material Safety Data Sheet available through Dulux Sales and Customer Service Offices 132377 AUS. Health Effects: Splashes to the eye will cause severe eye irritation.	Flammability	This product is flammable. Store and use away from heat and sources of ignition. Flash point of 26 degrees cel.
Protective Equipment	When spraying, inhalation of mists may produce respiratory irritation.	Storage	Keep away from any ignitable sources
In the case of emergency, please call 1800 033 111			

Precautions And Limitations

DULUX AcraTex AcraPrime Solvent Based must only be applied in air temperatures between 10C and 30C and must be protected from rain and frost for the first 24 hours. Avoid application in full sun or hot, windy conditions.

Do not thin or apply over damp substrate.
Do not use near any flammable ignition sources.

When applying Acraprime SB avoid excessive film builds / flooding. This will result in a high gloss appearance.
Tinted Acraprime SB has a distinct blue hue that is long lasting, do not apply to areas that will not be over coated with an opaque finish.

DULUX AcraTex AcraPrime SB should be recoated within 7 days due to the possible build up of surface contaminates requiring rewashing.

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.

Transport And Storage

Pack A	194-20801	Shipment Name	PAINTS, flammable liquid, high flash point.
Size	15 Litre	Weight	14.5 Kg
Flash Point	26C	UN Number	1263
Dangerous Goods Class	3.2	Package Group	III

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 systems.

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