

Dulux AcraTex Acraprime Water Based

AUDA0441

Part A	194-20809
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Product Overview

DULUX AcraTex AcraPrime Water Based acrylic primer/sealer conditions the surface and unifies substrate porosity.

Features And Benefits

- Water based
- Penetrates masonry surfaces
- Seals masonry surfaces
- Easy application and economical clean up.
- Foundation for uniform adhesion & extended durability of texture coats
- Ensures consistent appearance and finish of total system.

Uses And Typical Specifications

Uses DULUX AcraTex AcraPrime Water Based acrylic primer/sealer is applied to the substrate to unify the substrate porosity, it ensures maximum adhesion and provides excellent key for following texture coats, particularly DULUX AcraTex 950 Roll On , 951 Trowel On , 952 Spray On , 955 AcraShield.

Typical Systems

Typical System Typical Minimum Specification Rendered Masonry Substrates

Preparation Guide PBK019 - BRICK / BLOCKWORK AND MASONRY

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.

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.

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 renders 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.

Coat	Product	Spread Rate (m ² /L)	WFT (micron)	DFT (micron)
1st Coat	Acraprime Water Based	10	65	20
2nd Coat	951 Trowel On Tuscany Coarse	0.8	1333	1000
3rd Coat	955 AcraShield	6.0	167	75

Minimum System DFT 1095



Notes 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.
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.
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 .

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 this specified coatings 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 a site mixed render or pre-mixed bagged render substrate is deemed friable & powdery, dried, cured & aged for 28 days or more AcraPrime water Based Primer is to be substituted with the deep penetrating AcraPrime Solvent Based sealer for maximum surface consolidation

Where sound site mixed render or pre-mixed bagged render substrate have been not allowed to dry, cure & or aged for 28 days or more Green Render Sealer should be substituted with AcraPrime water Based Primer.

Where bright reds and yellows or very light colours are applied over highly contrasting colours an extra top coat maybe also be required.

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

Precautions And Limitations

Do not thin or apply over damp substrate (except where specified to AAC).
Do not use DULUX AcraTex AcraPrime water Based under DULUX AcraTex RenderWall.

AcraPrime 501/1 is suitable for well clean, sound masonry that has cured for 28 days or longer. Where the substrate is less than 28 days and greater than 3 days curing Green Render Sealer is recommended.

Where the substrate is friable or powdery, substitute AcraPrime Deep Penetrating Solvent based sealer in lue of AcraPrime Water based.

or
Use AcraPrime Deep Penetrating Solvent based sealer if concrete is high in MPA value and there are concerns around adhesion to hard dense and /or smooth concrete

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.

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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	Suitable for exterior application when topcoated.	Salt	N/A
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	< 5 g/L untinted		Clean Up	Clean up water Clean all equipment with water after use.																														
Application Method	 Air Spray	 Airless Spray	 Brush	 Roller																														
Application Conditions	<table border="0"> <thead> <tr> <th colspan="2">Solids By Volume</th> <th>30</th> <th colspan="2"></th> </tr> <tr> <th colspan="2"></th> <th>Min</th> <th>Max</th> <th>Recommended</th> </tr> </thead> <tbody> <tr> <td>Wet Film Per Coat (microns)</td> <td></td> <td>65</td> <td>130</td> <td>65</td> </tr> <tr> <td>Dry Film Per Coat (microns)</td> <td></td> <td>20</td> <td>40</td> <td>20</td> </tr> <tr> <td>Recoat Time (min)</td> <td></td> <td>2 Hours</td> <td>NA</td> <td></td> </tr> <tr> <td>Theoretical Spread Rate (m²/L)</td> <td></td> <td>10</td> <td>5</td> <td>10</td> </tr> </tbody> </table>				Solids By Volume		30					Min	Max	Recommended	Wet Film Per Coat (microns)		65	130	65	Dry Film Per Coat (microns)		20	40	20	Recoat Time (min)		2 Hours	NA		Theoretical Spread Rate (m²/L)		10	5	10
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Application Guide	
Surface Preparation	<ul style="list-style-type: none"> All surfaces must be cured, clean, sound and free of all contaminants such as form oils, release agents & mortar splashes. Surface imperfections, misalignments and protrusions must be levelled & patched & completely flush to surrounding surfaces. Metal, tie wire, etc on surface must be removed or treated against corrosion. <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)</p> <p>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.</p> <p>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.</p> <p>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> <p>.</p>
Application Procedure And Equipment	<ul style="list-style-type: none"> Brush, roller, conventional or airless spray. Product should be thoroughly mixed before use. <p>Refer to the DULUX AcraTex Application Manual for detailed application instructions. DULUX AcraTex AcraPrime Water Based may be applied by roller, conventional or airless spray. A brush is required to cut in around edges and obstacles. Typical airless set-up: Graco Ultra 500 using 0.011-0.013 spray tip at approx. 1000 psi.</p>

Health And Safety			
MSDS Number	14557202	Using Safety Precautions	Wear eye protection.
Health Effects	For detailed information refer to product label and the current Material Safety Data Sheet available through Dulux Sales and Customer Service Offices 132377 AUS. Health Effects: Splashes to the eye may cause eye irritation. For detailed information refer to product label and the current Material Safety Data Sheet available through Dulux Sales and Customer Service Offices 132377 AUS. Health Effects: Splashes to the eye may cause eye irritation.	Protective Equipment	When spraying, inhalation of mists may produce respiratory irritation.
Storage	0		
In the case of emergency, please call 1800 033 111			

Transport And Storage			
Pack A	194-20809	Shipment Name	Not dangerous goods.; No special transport requirements.
Size	15 Litre	Weight	21.5 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