

Dulux AcraTex AcraShield Advance

AUDA0432

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

Previously known as DULUX AcraTex 955 AcraShield
DULUX AcraTex 955 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

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| <ul style="list-style-type: none"> ▪ 10 year warranty ▪ Water based ▪ Tintable ▪ Durable acrylic ▪ Flexible ▪ AntiCarbonation Properties | <ul style="list-style-type: none"> ▪ 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. ▪ Resistance of Diffusion of Carbon Dioxide. |
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Uses And Typical Specifications

Uses	DULUX AcraTex 955 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	<p>Typical System AUSA1132 Dulux AcraTex 955 AcraShield on Painted Masonry Surfaces</p> <p>Preparation Guide REFER TO FULL SPECIFICATION AUSA1132 for PREARATION GUIDE</p> <p>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.</p> <table border="0" style="width: 100%; text-align: center;"> <thead> <tr> <th>Coat</th> <th>Product</th> <th>Spread Rate (m²/L)</th> <th>WFT (micron)</th> <th>DFT (micron)</th> </tr> </thead> <tbody> <tr> <td>1st Coat</td> <td>Acraprime Solvent Based</td> <td>10</td> <td>107</td> <td>15</td> </tr> <tr> <td>2nd Coat</td> <td>AcraShield Advance</td> <td>6.0</td> <td>167</td> <td>75</td> </tr> <tr> <td>3rd Coat</td> <td>AcraShield Advance</td> <td>6.0</td> <td>167</td> <td>75</td> </tr> <tr> <td colspan="3"></td> <td>Minimum System DFT</td> <td>165</td> </tr> </tbody> </table>				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
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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'nWipe 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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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.																								
Application Method	 Air Spray  Airless Spray  Brush  Roller																										
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Dulux Colour Base	BLACK, BLUE BASE, BOLD YELLOW, DEEP, EXTRA BRIGHT, ORANGE, TRUE RED, ULTRA DEEP, VIVID WHITE																										

Application Guide	
Surface Preparation	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 955 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	40163	Using Safety Precautions	When spraying, inhalation of mists may produce respiratory irritation.
Health Effects	For detailed information refer to 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 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	Wear eye protection and when spraying wear a dust mask
Storage	0		
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



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