

Dulux AcraTex 955 AcraShield

AUDA0432

Part A	194 line	Approvals	APAS-0117/3, APAS-C- 0118/3 (system approval) 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 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

- 7 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 5 times average film build.
- Resistance of Diffusion of Carbon Dioxide.

Uses And Typical Specifications

Uses	DULUX AcraTex 955 AcraShield 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 washability, 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.</p> <p>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.</p> <p>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.</p> <p>Not for immersion. Independent test certification is available on request.</p> <table> <tr> <th>Coat</th><th>Product</th><th>Spread Rate (m²/L)</th><th>WFT (micron)</th><th>DFT (micron)</th></tr> <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>955 AcraShield</td><td>6.0</td><td>167</td><td>75</td></tr> <tr> <td>3rd Coat</td><td>955 AcraShield</td><td>6.0</td><td>167</td><td>75</td></tr> <tr> <td colspan="4">Minimum System DFT</td><td>165</td></tr> </table>				Coat	Product	Spread Rate (m ² /L)	WFT (micron)	DFT (micron)	1st Coat	Acraprime Solvent Based	10	107	15	2nd Coat	955 AcraShield	6.0	167	75	3rd Coat	955 AcraShield	6.0	167	75	Minimum System DFT				165
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System Performance Testing Data

Test Result Name	Test Method	Unit of Measure	Result	Comments
Carbon Dioxide Diffusion	AS 4548.5 Appendix D	cm ² per sec	5.6 x 10 -08	Diffusion resistance coefficient (u) = 2650000 Equivalent thickness of Concrete (Sc) = 93cm Equivalent air layer thickness (R) = 371m
Chloride Ion Diffusion	AS 4548.5 Appendix E	cm ² per sec	9.7 x 10 -14	
Water Vapour	AS 4548.5 Appendix C	g/m ² /24hr	51.9	Vapour Diffusion coefficient of film = 2.5x10-04cm ² sec Vapour resistance coefficient (u) = 1040 Permeance of film = 4.0x10-07g/Pasm ² Equivalent air layer thickness (Sd) = 1m
Water Transmission	AS 4548.5 Appendix C g/m ²	g/m ² /24hr/kPa	<1	
Crack Bridging Ability "B"	AS 4548.5 Appendix F x	x Film Build	5	Static Test Test Speed of 0.5mm/min Test Temp =23+/-3 degress
Tensile Strength	AS1145	MPa	2.3	
Elongation	AS 4548.1	%	310	Specimen type 2 Test speed 50mm/min
Early Fire Hazard	AS 1530.3	0 (best) - 10/20	see comments	Ignitability 0 Spread of flame 0 Heat evolved 0 Smoke developed 2
Cyclone Testing	ASTM E514	Class A-E	Class E (Highest)	No Water Penetration

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	<50g/L			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

Precautions And Limitations

A DULUX warranty will be provided confirming protection against flaking & peeling for a period of seven years when the full DULUX 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.

Practical spreading rates will vary from quoted theoretical figures depending on substrate porosity, surface roughness, overspray losses, application methods and environmental conditions (eg wind). Protect from rain and frost for 48 hours when apply at the recommended spread rate.

Dry times apply to a single coat at recommended spread rate and at 25oC and 50% Relative Humidity

Allow longer times under cool, moist, or still conditions and or when applied at high film builds.

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 Bright Reds, Oranges, Blues and Yellows or where very light colours are applied over highly contrasting colours an extra coat maybe required.

Apply at recommended spreading rate to ensure optimum performance.

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.

NOTE: ANTI-CARBONISATION TEST RESULTS FOR THIS PRODUCT ARE AVAILABLE FROM DULUX CUSTOMER SERVICE OFFICES.

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

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 ACRAFIELD 955.

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 systems.

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