

## Dulux AcraTex AcraShield Advance Low Gloss

NZ\_DA01895

<b>Part A</b>	194 XLine
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### Product Overview

DULUX AcraTex AcraShield Advance is a high-build, pigmented, cross-linking, water based 100% acrylic coating available in a low gloss and matt finish. 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

### Features And Benefits

- 10 year warranty when applied as a full AcraTex system
- Water based
- Tintable
- Durable acrylic
- Anti Carbonation Properties
- Flexible
- 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.
- Resistant to Diffusion of Carbon Dioxide
- Crack bridging 5 times average film bulid

### Uses And Typical Specifications





**Uses** DULUX AcraTex AcraShield Advance is a protective coating applied by conventional nap roller or airless spray to form a finishing barrier coat in AcraTex Texture and Anti-carbonation systems. AcraShield delivers a paint like appearance with film builds more than twice that of standard decorative paint for enhanced crack bridging performance. AcraTex Texture Systems are specified with AcraShield weather-proofing topcoat for optimum life cycle efficiency.

### System Performance Testing Data

Test Result Name	Test Method	Unit of Measure	Result	Comments
Carbon Dioxide Diffusion	AS 4548.5 Appendix D	cm2 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	cm2 per sec	9.7 x 10 -14	Vapour Diffusion coefficient of film = 2.5x10-04cm2sec Vapour resistance coefficient (u) = 1040 Permeance of film = 2.2x10-07g/Pasm2 Equivalent air layer thickness (Sd) = 1m
Water Vapour	AS 4548.5 Appendix C	g/m2/24hr	51.9	
Water Transmission	AS 4548.5 Appendix C	g/m2/24hr/kPa	<1	Static Test Test Speed of 0.5mm/min Test Temp =23+/-3 degress
Crack Bridging Ability "B"	AS 4548.5 Appendix F	x Film Build	5	
Tensile Strength	AS1145	MPa	2.3	Specimen type 2 Test speed 50mm/min
Elongation	AS 4548.1	%	310	
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

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

Typical Properties																											
<b>Technology Type</b>	WATERBASED ACRYLIC	<b>V.O.C Content</b>	< 60 g/L																								
<b>Full Cure (25C, 50% R.H)</b>	7 Days	<b>Clean Up</b>	Clean up water Clean all equipment with water after use.																								
<b>Sizes</b>	10 L																										
<b>Application Method</b>	 Air Spray  Airless Spray  Brush  Roller																										
<b>Application Conditions</b>	<table border="0" style="width: 100%;"> <tr> <td style="text-align: center;"><b>Solids By Volume</b></td> <td style="text-align: center;">45</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;"><b>Min</b></td> <td style="text-align: center;"><b>Max</b></td> <td style="text-align: center;"><b>Recommended</b></td> </tr> <tr> <td><b>Wet Film Per Coat (microns)</b></td> <td style="text-align: center;">167</td> <td style="text-align: center;">222</td> <td style="text-align: center;">167</td> </tr> <tr> <td><b>Dry Film Per Coat (microns)</b></td> <td style="text-align: center;">75</td> <td style="text-align: center;">100</td> <td style="text-align: center;">75</td> </tr> <tr> <td><b>Recoat Time (min)</b></td> <td style="text-align: center;">2 Hours</td> <td style="text-align: center;">Indefinite</td> <td></td> </tr> <tr> <td><b>Theoretical Spread Rate (m<sup>2</sup>/L)</b></td> <td style="text-align: center;">6</td> <td style="text-align: center;">4.5</td> <td style="text-align: center;">6</td> </tr> </table>			<b>Solids By Volume</b>	45				<b>Min</b>	<b>Max</b>	<b>Recommended</b>	<b>Wet Film Per Coat (microns)</b>	167	222	167	<b>Dry Film Per Coat (microns)</b>	75	100	75	<b>Recoat Time (min)</b>	2 Hours	Indefinite		<b>Theoretical Spread Rate (m<sup>2</sup>/L)</b>	6	4.5	6
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<b>Typical Properties Notes</b>	Dulux Colour Base: Pastel																										

Application Guide	
<b>Surface Preparation</b>	<ul style="list-style-type: none"> <li><b>NEW ACRATEX TEXTURED SYSTEM</b> Ensure the surface is completely dry, especially during winter. All surfaces must be cleaned and free from dirt &amp; dust. Apply 1 - 2 coats of DULUX AcraTex AcraShield Advance.</li> <li><b>NEW CONCRETE</b> Ensure the surface is completely dry, especially during winter. All surfaces must be cleaned and free from dirt &amp; dust. Efflorescence or mould on masonry or concrete surfaces must be treated. Allow for 28 days for the concrete to cure before applying 1 coat of Dulux AcraTex 501/1 AcraPrime Sealer</li> <li><b>PREVIOUSLY PAINTED MASONRY SURFACES</b> Ensure the surface is completely dry, especially during winter. All surfaces must be cleaned and free from dirt &amp; dust, grease, loose or flaking paint. Efflorescence or mould on masonry or concrete surfaces must be treated. Ensure adequate masking is used to protect adjacent surfaces. 1 coat of Dulux AcraTex 501/1 AcraPrime Sealer.</li> </ul>
<b>Application Procedure And Equipment</b>	<ul style="list-style-type: none"> <li>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 Advance 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.</li> </ul>

Health And Safety			
<b>MSDS Number</b>	52559	<b>Using Safety Precautions</b>	For detailed information refer to the current Material Safety Data sheet available through Dulux NZ Sales and Customer Service Offices.
<b>MSDS Link</b>	<a href="https://go.lupinsys.com/duluxgroup/harms/public/materials/8155c75c9195d46ba728b9eb208af59b-published/individual">https://go.lupinsys.com/duluxgroup/harms/public/materials/8155c75c9195d46ba728b9eb208af59b-published/individual</a>		
<b>Health Effects</b>	Splashes to the eye may cause eye irritation. When spraying, inhalation of mists may produce respiratory irritation.	<b>Protective Equipment</b>	Wear eye protection and when spraying wear a suitable mask.
<b>Disposal</b>	Do not contaminate stormwater with product or product washings. Do not pour product down the drain. Unwanted product should be brushed out on newspaper, allowed to dry and then disposed of via domestic waste collection. Empty containers should be left open in a well ventilated area to dry out. When dry, recycle the container via recycling programmes. Disposal of empty paint containers via recycling programmes may differ between local authorities. Check with your local council first.		
<b>In the case of emergency, please call 0800 734 607</b>			

**Precautions And Limitations**

A DULUX warranty will be provided confirming protection against flaking & peeling for a period of ten 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.  
 DULUX AcraTex 955 AcraShield 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.  
 Apply at recommended spreading rate to ensure optimum performance..

**Transport And Storage**

<b>Pack A</b>	194 XLine	<b>Shipment Name</b>	Not dangerous goods.; No special transport requirements.
<b>Size</b> 10 Litre	<b>Weight</b> 13.82 Kg		
<b>Flash Point</b>	NA	<b>UN Number</b>	NA
<b>Dangerous Goods Class</b>	NA	<b>Package Group</b>	NA

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