

Dulux AcraTex AcraShield Concrete

NZ_DA02824

Part A	194X0602-15L & 194X0603-15L
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<p>Product Overview</p> <p>DULUX AcraTex AcraShield Concrete is a flexible Acrylic designer finish that can produce a Polished "Concrete" finish to suitably prepared substrates.</p> <p>AcraShield Concrete is a product designed to produce an aesthetic appealing Matt Precast CONCRETE Effects finish.</p>

Features And Benefits	
Acrylic	Decorative "Concrete" Look

Uses And Typical Specifications	
Uses	DULUX AcraTex AcraShield Concrete is formulated for applications from 0.25 - 0.5mm in a 2-4 coat applications, as a decorative finish. It is suitable for application to clean sound masonry substrates including: brick & blockwork, off form concrete, and tilt-up concrete slabs that have already been made good with Render levelling coat and Render Concrete finish the faring coat. DULUX AcraTex AcraShield Concrete is also suitable for interior / exterior application on all "made good" masonry & primed flushed paper faced wall board.

System Performance Testing Data					
Test Result Name	Test Method	Unit of Measure	Result	Comments	
Crack Bridging Ability "B"	AS 4548.5 Appendix F	x DFT	5.5	Static Test (In-House) Test Speed of 0.5 mm/min Test Temp = 23 +/-3 degrees	
Elongation	AS 4548.1	%	750	Specimen 5 (In-House) Test Speed of 50 mm/min Group 1	
Tensile Strength	AS1145	MPa	0.74	Specimen 5 (In-House) Test Speed of 50 mm/min	
Wind Driven Rain	ASTM D6904	No Water Penetration	Pass	The test panels are exposed for 24 h to 5 in of water pressure, which is the equivalent dynamic pressure of 157 km/ph wind velocity.	

Performance Guide			
Weather	Excellent weather resistance when used in system with Dulux AcraTex Acrylic Texture Systems.	Salt	Resists salt spray.
Heat Resistance	Up to 90C.	Water	Contributes to outstanding moisture barrier properties of full texture systems
Solvent	Sensitive to alcohols, aromatic hydrocarbons, acetone and strong solvents.	Abrasion	Very good resistance to abrasion
Acid	Resists dilute acids.	Alkali	Resists dilute alkali.

Typical Properties																											
V.O.C Content	65	Clean Up	Clean up water Clean all equipment with water																								
Application Method	 Trowel Other: AcraShield Concrete maybe roller on then patterned or trowelled on and patterned. For best results the first coat should be a heavy coat (Using a Fine to Medium Texture Roller) Spread rate will vary from coat to coat as the pattern is created.																										
Application Conditions	<table border="0"> <tr> <td style="text-align: right;">Solids By Volume</td> <td style="text-align: center;">41.4</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">Min</td> <td style="text-align: center;">Max</td> <td style="text-align: center;">Recommended</td> </tr> <tr> <td style="text-align: right;">Wet Film Per Coat (microns)</td> <td style="text-align: center;">250</td> <td style="text-align: center;">500</td> <td style="text-align: center;">250</td> </tr> <tr> <td style="text-align: right;">Dry Film Per Coat (microns)</td> <td style="text-align: center;">104</td> <td style="text-align: center;">208</td> <td style="text-align: center;">104</td> </tr> <tr> <td style="text-align: right;">Recoat Time (min)</td> <td style="text-align: center;">4-6 hours</td> <td style="text-align: center;">Indefinite</td> <td></td> </tr> <tr> <td style="text-align: right;">Theoretical Spread Rate (m²/L)</td> <td style="text-align: center;">3.98</td> <td style="text-align: center;">1.99</td> <td style="text-align: center;">3.98</td> </tr> </table>			Solids By Volume	41.4				Min	Max	Recommended	Wet Film Per Coat (microns)	250	500	250	Dry Film Per Coat (microns)	104	208	104	Recoat Time (min)	4-6 hours	Indefinite		Theoretical Spread Rate (m²/L)	3.98	1.99	3.98
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Typical Properties Notes	For Smooth Substrate like Off Form Concrete First Coat @ 2 to 4 M2/L Applied by Nap Roll or Textured Roller then patterned Second Coat @ 15 to 20 M2/L Applied by (Tight) Trowel Third Coat @ 15 to 20 M2/L Applied by (Tight) Trowel For Rough Substrate like Render First Coat @ 2 to 4 M2/L Applied by Medium Textured Roller then patterned Second Coat @ 2 to 4 M2/L Applied by Fine or Medium Textured Roller then patterned Third Coat @ 15 to 20 M2/L Applied by (Tight) Trowel Fourth Coat @ 15 to 20 M2/L Applied by (Tight) Trowel																										

Application Guide	
Surface Preparation	<ul style="list-style-type: none"> Surface must be smooth to obtain maximum patterning effect. For masonry surfaces requiring render build / make good layers Render Wall Concrete Finish is recommended as a faring coat. For acrylic finished or previously coated surface make good with AcraPatch Smooth.
Application Procedure And Equipment	<ul style="list-style-type: none"> Apply one high build layers of Dulux AcraTex AcraShield Concrete with a steel trowel or spatula in short discontinuous strokes. Allow to fully dry and sand to remove high trowel / spatula marks. Note this first layer maybe applied by medium nap roller then patterned with a steel trowel, spatula or other method to produce a patterned /texture. Apply a second and possibly a third layer (depending on smoothness/ pattern desired) of Dulux AcraTex AcraShield Concrete with a steel trowel or spatula apply in very tight /thin layer /s, once this coat has dried slightly, making sure that it is neither completely dry nor excessively wet, Proceed to the polishing stage by going over the surface repeatedly with a spatula/ stainless steel polishing trowel, pressing firmly until the desired highlights are produced.

Health And Safety			
MSDS Number	DLXGHSEN003757	Using Safety Precautions	No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.
Personal	Avoid contact with skin and eyes. Avoid breathing dust, fumes, gas, mist, vapour or spray.	Protective Equipment	Wear safety shoes, overalls, gloves, safety glasses
Storage	Store in a cool, dry, well-ventilated place and out of direct sunlight	Disposal	Do not pour leftover paint down the drain. Unwanted paint should be brushed out on newspaper and allowed to dry, and then disposed of via domestic waste collections. Empty paint containers should be left open in a well-ventilate area to dry out. When dry, recycle paint containers via container recycling programs. Disposal of empty paint containers via domestic recycling programs may differ between local authorities. Check with your local council first.
Handling	Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist or aerosols.		
In the case of emergency, please call 0800 734 607			

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 AS/NZS 2311: 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.

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.

A DULUX warranty can be provided on request, when the FULL AcraTex system including a membrane topcoat/s is applied by a DULUX AcraTex applicator, according to specification, & at the specified spreading rates, & to the surface preparation details described in the DULUX AcraTex Specification.

The dynamics of the substrate is outside the control of Dulux 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.

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. 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 Spray'n'Wipe 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

Transport And Storage

Pack A	194X0602-15L	Shipment Name	Not classified as Dangerous Goods by the criteria of the
Size	15L	Weight	16.9

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