

AUAC00130 Dulux Acratex AcraShield Concrete

Introduction

Part A
194X0602-15L & 194X0603-15L

Description and Image




Dulux Acratex Acrashield Concrete is a flexible Acrylic designer finish that can produce a Polished "Concrete" finish to suitably prepared substrates.

Acrashield Concrete is a product designed to produce an aesthetic appealing Matt Precast Concrete Effects finish.

Features and Benefits

- Acrylic
- Decorative "Concrete" Look

Standards And Certifications

 <p>NATA Accredited: National Association of Testing Authorities</p>	 <p>Certified System: Quality ISO 9001</p>	 <p>Certified System: Environment ISO 14001</p>	
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Standards and Certifications

For details on these standards and certifications please reference the 'Approvals' section at the beginning of this document. Please contact your DuluxGroup representative for specific information on ESD credits / points.

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 (Cyclone Testing)	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.
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Performance Guide	
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 Methods  Trowel 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 very from coat to coat as the pattern is created.			
Specifications	Solids by Volume		
	<input type="text" value="41.4"/>		
	Min	Max	Recommended
Wet Film Per Coat (microns)	<input type="text" value="250"/>	<input type="text" value="500"/>	<input type="text" value="250"/>
Dry Film Per Coat (microns)	<input type="text" value="104"/>	<input type="text" value="208"/>	<input type="text" value="104"/>
Theoretical Spread Rate (m ² /L)	<input type="text" value="4"/>	<input type="text" value="2"/>	<input type="text" value="4"/>
Drying Time			
	Min	Max	Recommended
Recoat Time (min/hours)	<input type="text" value="4-6 hours"/>	<input type="text" value="Indefinite"/>	<input type="text"/>
Typical Property 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

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

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 product 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 and 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

SDS Number DLX003757	SDS Link https://go.lupinsys.com/duluxgroup/harms/public/materials/a30163e88b0205a342edb1243153cdfa-published/individual
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Using Safety Precautions

May cause an allergic skin reaction.

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

Symptoms or effects that may arise if the product is mishandled and overexposure occurs are

When spraying, inhalation of mists may produce respiratory irritation.

Wear protective gloves/protective clothing including eye/face protection and suitable respirator.

Please refer to [SDS Link](#). In case of emergency, please call 1800 220 770.

Precautions and Limitations

This product data sheets shall be read in conjunction with the Dulux specification.

To ensure colour uniformity and for optimum performance, Dulux recommend a full coating system including a Membrane topcoat.
For **all** systems, the Texture &/or Base Coat should be tinted in accordance with Tint Guide to the specified topcoat colour (or a colour as close as possible to the specified colour as product and AcraTex tint rules allow).

Important: Not all colours are suitable for exterior use.
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).

- 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.
- 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.

Transport and Storage

Line Shade /Pack A

194X0602-15L & 194X0603-15L

Size:

15 Litre pail

Weight:

20 kg

Disclaimer

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Unless Dulux has provided you with a customised, project-specific specification, this Data Sheet does not represent that any particular product or product system will be suitable for your project.

Any information provided in this Data Sheet is given in good faith and is believed by Dulux to be correct at the time of publication. Products and coating systems can be expected to perform as indicated in this Data Sheet, provided the substrate is in good condition, the coatings are applied by a suitably experienced and skilled applicator, and the preparation, application and maintenance is followed strictly as set out in this Data Sheet, and as recommended on the applicable Safety Data Sheets for the relevant products, available from www.duspecplus.com.au. Climatic conditions at application time can affect product suitability and performance.

The correct colour or colour match is the responsibility of the applicator. Colours will change over time and Dulux does not guarantee that the same colour newly mixed will match a colour applied earlier which has been subjected to weathering or other change elements. No product colour is guaranteed against colour change.

Where any liability of Dulux in respect of this Data Sheet cannot by law be excluded, Dulux's liability is limited, as permitted by law and at Dulux's option, to resupply of the relevant products or services or to reimbursing the cost of those products or services.

WHERE LEAD MAY BE PRESENT: The asset manager is responsible for verifying the presence of lead and determining whether to remove or encapsulate the lead. If lead is present, the work must be done in strict accordance with AS 4361 Parts 1 and 2 and Worksafe Australia guidelines.