Dulux AcraTex AcraShield Concrete

AU_DA02710

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

Product Overview

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

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.

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'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
CEMENT RENDERS PRODUCE FINE CRACKS DURING DRYING AND CONTINUE TO CRACK & MOVE WITH VARIATIONS IN TEMPERATURE.
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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.

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
Meets GBCA VOC Requirement?	N/A		

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 very from coat to coat as the pattern is created.

Application Conditions

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 (m^2/L)	4	2	4

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	• 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 ConcreteTrend 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

MSDS Number	DLX003757	**Using Safety Precautions**	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
MSDS Link	https://go.lupinsys.com/duluxgroup/harms/public/materials/a30163e88b0205a342edb1243153cdfa-published/individual		
Health Effects	For detailed information refer to the product label and the current Material Safety data Sheet available through Dulux Sales and Customer Service Offices 13 25 25 AUS. For emergencies, please call Australia 1800 220 770 or New Zealand 0800 220 770. Ensure adequate ventilation. Take suitable safety precautions while preparing your surface or sanding a previously coated surface, including wearing an appropriate respiratory mask Health Effects: Splashes to the eye may cause eye irritation.	**Flammability**	Non Flammable
Protective Equipment	Wear eye protection.	**Storage**	Store out of direct Sunlight in a cool dry area
Disposal	DO NOT pour down drains. Refer local regulation for disposal of water based wastes.		
In the case of emergency, please call 1800 033 111			

Transport And Storage

Pack A	194X0602-15L & 194X0603-15L		
Size 15 Litre pail		**Weight** 20 kg	
Flash Point	NA	**UN Number**	NA
Dangerous Goods Class	NA	**Package Group**	NA

Images

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