

Dulux AcraTex Acrashield Advance Aluminium

NZ_DA02739

Part A	194X0590-15L	Approvals	CONFORMS TO AS/NZS 4548.1, AS/NZS 4548.2 : Long Life Coatings
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Product Overview

DULUX AcraTex Acrashield Advance Aluminium is a mid build, pigmented, water based 100% acrylic coating available in matt finish. Acrashield Aluminium has excellent durability particularly as the pigment interlocks in the film to reduce moisture permeability and improve resistance to degradation by UV light.

Acrashield Advance Aluminium has an attractive silver metallic finish, is available in a range colours and is recommended on suitably primed and levelled substrate not subject to high physical abrasion.

Features And Benefits

- 10 Year Warranty
- Water Based
- Tintable
- Durable Acrylic
- Flexible
- Guaranteed long term exterior durability & water resistance.
- Easy, safe and economical clean-up.
- Extensive colour range.
- Resists pollution, chemical attack and dirt pick-up
- Crack bridging 6 times average film build

Uses And Typical Specifications





Uses	DULUX AcraTex Acrashield Advance Aluminium is used as a protective topcoat over DULUX AcraTex texture coatings or suitably primed and levelled masonry type substrate. It substantially upgrades the overall coating system durability & ensures greater colour consistency, especially over large areas. It significantly reduces dirt accumulation, pollution and chemical attack especially on high profile textured coatings.
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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 Film Build	6.8 (av)	Static Test Test Speed of 0.5mm/min Test Temp =23+/-3 degrees
Tensile Strength	AS1145	MPa	2.3	Specimen type 5 Test speed 50mm/min
Elongation	AS 4548.1	%	255	Specimen type 5 Test speed 50mm/min
Wind Driven Rain	ASTM D6904	No Water Penetration	Pass	

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	Good resistance to abrasion.
Acid	Resists dilute acids.	Alkali	Resists dilute alkali.

Typical Properties																											
V.O.C Content	67g/L	Clean Up	Clean all equipment with water after use.																								
Sizes	15L																										
Application Method	   																										
Application Conditions	<table border="0"> <tr> <td>Solids By Volume</td> <td>45</td> <td></td> <td></td> </tr> <tr> <td></td> <td>Min</td> <td>Max</td> <td>Recommended</td> </tr> <tr> <td>Wet Film Per Coat (microns)</td> <td>167</td> <td>222</td> <td>167</td> </tr> <tr> <td>Dry Film Per Coat (microns)</td> <td>75</td> <td>100</td> <td>75</td> </tr> <tr> <td>Recoat Time (min)</td> <td>2 Hours</td> <td>Na</td> <td>6</td> </tr> <tr> <td>Theoretical Spread Rate (m²/L)</td> <td>6</td> <td>4.5</td> <td>6</td> </tr> </table>	Solids By Volume	45				Min	Max	Recommended	Wet Film Per Coat (microns)	167	222	167	Dry Film Per Coat (microns)	75	100	75	Recoat Time (min)	2 Hours	Na	6	Theoretical Spread Rate (m²/L)	6	4.5	6		
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Dulux Colour Base	BLACK																										

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"> Product should be thoroughly mixed before use. <p>Brush, roller and airless spray</p> <p>Brush and roll at the same time to avoid picture framing.</p> <p>A 10 mm nap roller is used depending on the type of texture being over coated. Lay-Off in one direction, Lay-off frequently. For best Results apply by Airless Spray Typical set up is: Graco Ultra 500 using 0.019-0.021 spray tip at approx. 1000 psi.</p>

Health And Safety			
MSDS Number	DLXNZLEN003150	Using Safety Precautions	When spraying, inhalation of mists may produce respiratory irritation.
MSDS Link	https://go.lupinsys.com/duluxgroup/harms/pm/dbbfc821dd2bb71007e6406992f9362a-published/attachment/nz-sds.pdf		
Health Effects	May damage fertility or the unborn child For a detailed SDS contact Dulux Customer Services NZ: 0800 800 424	Personal	Keep out of reach of children. Read label before use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.
Protective Equipment	Wear eye protection and when spraying wear a dust mask	Storage	Store in a cool, dry, well-ventilated place and out of direct sunlight.
Disposal	Do not pour down drain. Unwanted material should be brush out on newspaper or absorbed with sawdust, then disposed of via waste collection. Disposal of empty paint containers via domestic recycling programs may differ between local authorities. For more information on responsible disposal of paint and packaging visit painttakeback.co.nz .	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 New Zealand 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.co.nz/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.co.nz/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.co.nz/pdf/tech-advice/DLX_TECH_Leaching.pdf

Transport And Storage			
Pack A	194X0590-15L	Shipment Name	Not classified as Dangerous Goods by the criteria of the New Zealand NZS5433: "Transport of Dangerous Goods on Land"
Size		Weight	
15L		17.1 Kg	

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