AUAC00044 Dulux Acratex AcraSkin

Introduction

Line Shade
19485675-15L AcraSkin Pastel Base

Product Line
19485676-15L AcraSkin Ultra Deep toned Base

Line Shade
19485677-15L AcraSkin Extra Bright Toned Base

Approval
AS4548.1, AS4548.2 : Long Life Coatings for Masonry

Description and Image

Dulux Acratex AcraSkin is a high performance weather proofing, highly flexible, Elastomeric Membrane coating that can be applied by conventional nap roller or low profile texture roller. Conforms to Australian Standard AS4548 Long Life Coatings for Masonry, Category 1 and 2

Features and Benefits

- High Solids - High Film Build
- Flexibility
- Crackbridging
- Water Resistence
- Vapour Permeabilty (Breathability)
- Guaranteed long term exterior durability.
- 300%
- 9 times Dry Film Thickness
- Extremely low water transmission
- 54.8 g / 24 hr / sqm (Resistence to blistering)

Standards And Certifications

NATA Accredited: National Association of Testing Authorities	Certified System: Quality ISO 9001	Certified System: Environment ISO 14001	

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 AcraSkin has been developed for use as a Masonry Protective Coating, providing weatherproofing and optimum crack bridging performance. It provides a finish with excellent water resistance & barrier properties against moisture ingress, carbonation and surface cracking, at the same time significantly improving the buildings aesthetics.

Dulux Acratex AcraSkin is ideal where a mid build, Elastomeric system is required with ultimate flexibility and resistance to water ingress.

Dulux Acratex AcraSkin is suitable for use as a stand-alone protective Membrane system (suitably primed), or as a performance Shield-Membrane over Dulux Acratex Texture Coatings to elevate total system performance.

Typical Specifications

Typical System

Title:

Typical Sytem for site mixed or Pre Bagged Cement Renders where maximum Crack bridging is required

Preparation Guide
Refer Specification for full details.
AUAC00859 Dulux Acratex AcraSkin Low Gloss / Green Render Sealer / on New Cement Render [Exterior]

At Commencement of coating system application to the substrate it shall be deemed that the Applicator has certified that the surface which it is to be applied to is fit receive the specified coating(s) system. 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.
The substrates surface condition must be of consistent density/integrity and not subject to continual wetting, hydrostatic pressure, spalling or other conditions that will cause premature coating failure

Coat	Product	Spread Rate (m²/L):	WFT (micron):	DFT (micron)
1st Coat	**Green Render Sealer**	**8**	**47**	**20**
2nd Coat	**968 AcraSkin**	**4**	**244**	**125**
3rd Coat	**968 AcraSkin**	**4**	**244**	**125**
			Minimum System DFT:	**270**

Notes:
Refer Specification for full details.
AUAC00859 Dulux Acratex AcraSkin Low Gloss / Green Render Sealer / on New Cement Render [Exterior]
A Dulux warranty will be provided confirming protection against flaking & peeling for a period of Fifteen years when this full 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.

System Performance Testing Data

Test Result Name:	Test Method:	Unit of Measure:	Result:	Comments:
Carbon Dioxide Diffusion Resistance	AS 4548.5 Appendix D	cm2 per sec	2.5 x 10 -07	Independent Test Results Diffusion resistance coefficient (u) = 666200 Equivalent thickness of Concrete (Sc) = 83cm Equivalent air layer thickness (R) = 333m
Chloride Ion Diffusion Resistance	AS 4548.5 Appendix E	cm2 per sec	0.8 x 10 -12	Independent Test Results
Water Vapour Transmission	AS 4548.5 Appendix C	g/m2/24hr	54.8	Independent Test Results Vapour Diffusion coefficient of film = 1.6x10-04cm2sec Vapour resistance coefficient (u) = 1550 Permeance of film = 4.3x10-07g/Pasm2 Equivalent air layer thickness (Sd) = 1m
Water Transmission Resistance	AS 4548.5 Appendix C	g/m2/24hr/kPa	<1	Independent Test Results
Crack Bridging Ability "B"	AS 4548.5 Appendix F	x Film Build	9.3	Independent Test Results Static Test Test Speed of 0.5mm/min Test Temp =23+/-3 degress
Wind Driven Rain	ASTM D6904	Pass / Fail	Pass No Leaks	Independent Test Results 24h –exposure to continuous water spray (rain) and a dynamic pressure equivalent to a 98mph wind velocity
Tensile Strength	AS1145	MPa	1.58	Independent Test Results
Heat & Smoke Release Rate	AS3837	m2/kg	29.9	Independent Test Results @ Irradiance level of 50-kW/m2 Group 1 Classification
Elongation	AS 4548.1	%	308	Independent Test Results Specimen type 2 Test speed 50mm/min

Performance Guide

Salt **Resists salt spray.**	Heat Resistance **Up to 90C (dry).**
Water **Watertight Film - extremely low water transmission**	Solvent **Resists alcohol and aliphatic hydrocarbons. Sensitive to other strong solvents.**
Abrasion **Good resistance to abrasion.**	Acid **Slightly softening with dilute acids.**
Alkali **New Cement / Concrete surfaces should be allowed to cure for 28 days to stabalise alkalinity**	

Typical Properties

V.O.C. Content
< 46 g/L untinted

Clean Up

Water

Clean up water Clean all equipment with water.

Application Methods

Airless Spray **Brush** **Roller**

Specifications

Solids by Volume: **51.25**

	Min	Max	Recommended
Wet Film Per Coat (microns)	244	488	322
Dry Film Per Coat (microns)	125	250	165
Theoretical Spread Rate (m²/L)	4.1	2.1	3.1

Drying Time

	Min	Max	Recommended
Recoat Time (min/hours)	4 Hours	Indefinite	

Application Guide

Surface Preparation

All surfaces must be cured, clean, sound and free of all contaminants such as form oils, release agents and mortar splashes. Surface imperfections, misalignments and protrusions must be levelled and patched and completely flush to surrounding surfaces. Metal, tie wire, etc. on surface must be removed or treated against corrosion.
Prime substrate with Dulux Acratex AcraPrime SB. Ensure that it is cured completely and covers the substrate evenly. Patch with Dulux Acratex AcraPatch after priming, and then prime using Dulux Acratex AcraPrime WB or Green Render Sealer.

Application Procedure and Equipment

Brush, Roller, Medium Textured Roller, Airless Spray.
When cutting in edges, brush and roll-in a continuous process to avoid differences in gloss level.
Application on single areas should be completed uniterrupted.
All independent tests are available on request.
Product should be thoroughly mixed before use.
Refer to the Dulux Acratex Application Manual for detailed application instructions.

Nap roller finish:
Apply 2 coats (minimum) using a 10 - 20mm Nap roller at 4 sq.m / litre

Low profile texture (requires higher material consumption):
Apply 1 coat with a low profile black Texture Roller at 2-3 sq.m / litre
Apply a 2nd (finishing coat) with a nap roller at 4 sq.m / litre

Health and Safety

SDS Number	SDS Link
DLX001296	**View SDS Link**

Using Safety Precautions
May cause an allergic skin reaction.
When spraying, inhalation of mists may produce respiratory irritation.
Wear eye protection and when spraying or sanding wear an appropriate respiratory mask

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	Shipment Name
19485675-77	**Not dangerous goods.; No special transport requirements.**

Size:	Weight:
15 Litre	**22 Kg**

Further Information

ACRATEX CARE & MAINTENANCE GUIDE

Disclaimer

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.