

AUAC00136 Dulux Acratex RenderWall AcraBuild Medium

Introduction

Part A
19385831-20kg

Description and Image

Dulux Acratex RenderWall AcraBuild Medium is a prepacked cement render supplied in a dry powder form requiring the addition of water and Dulux Acratex AcraBond (relevant to applied thickness and system)
RenderWall AcraBuild Medium is a preparatory base levelling product designed for system use with subsequent Dulux Acratex Acrylic Texture Systems.



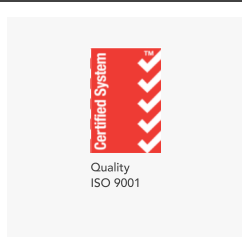
Features and Benefits

- Easy to handle
- Pre-packed
- Controlled formulation
- Non Combustible
- Fast, efficient application
- Minimal drying shrinkage
- Produces a high quality, even, true surface to suitable masonry substrates.
- AS1530.1 Cert Number IGNL-5038-01-02C-I01R00

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

Premium High Build Levelling and Finishing System for New Brick & Blockwork.
Incorporating:
Acratex RenderWall AcraBuild Medium a Cementitious Render to level irregularities and produces a high quality even surface for absorbent

masonry substrates.

Acratex AcraPrime WB for Bagged Render 7-10 days old"

Or use Green Render Sealer which can be applied over 2 day old cement render providing moisture content has stabilised.

Acratex Coventry Coarse is a decorative, low build protective coating displaying excellent resistance to weathering and atmospheric chemicals. The finish will resemble that of a coarse granular render which is sponge floated.

Acratex Acrashield, weather-proofing topcoat, applied by conventional NAP roller to provide a paint like appearance with excellent water impermeability, resistance to mould and mildew, mid build crack bridging performance for long term protection of cement render substrates.

Typical Specifications

Typical System

Title:

Typical Premium Sytem for New Brick and Blockwork

Preparation Guide

Surface Preparation

Refer to the bag label for detailed information

Coat	Product	Spread Rate (m ² /L):	WFT (micron):	DFT (micron):
Prep Coat	RenderWall AcraBuild Medium	0.2	4000	4000
1st Coat	Green Render Sealer	8	125	44
Intermediate	951 Coventry Coarse	0.8	1009	706
2nd Coat	AcraShield Advance	6.0	167	75
Optional	AcraShield Advance	6.0	167	75

Minimum System DFT: **4900**

Notes:

Dulux Acratex RenderWall AcraBuild Medium is formulated for applications from 4-6 mm in single applications or can be applied up to 12mm thick in multiple applications. It is suitable for application to clean sound masonry substrates including: brick & blockwork, off form concrete, and tilt-up concrete slabs.

RenderWall AcraBuild Medium is not designed for application to EPS, XPS, PIR or other Foams.

Whilst one coat of AcraShield will provide adequate protection and resistance to the elements, Dulux recommends 2 coats applications for even coverage to minimising "cutting in" and "lap mark" effects. Where 2 coats are applied, dilute the first coat with 10% water.

Refer to RenderWall AcraBuild Medium bag labels for detailed product and application information.

Cement Render is hard and brittle due to the inherent nature of cement. Cement render will develop shrinkage cracks on aging and continues to harden (Hydration process) over its life cycle, further increasing risk of cracking. - Dulux does not recommend low build (conventional) paint finishes over cement render.

System Performance Testing Data

Test Result Name:	Test Method:	Unit of Measure:	Result:	Comments:
Combustible Test for Materials	AS1530.1	N/A	Non Combustible	Cert Number IGNL-5038-01-02C-I01R00

Performance Guide

Heat Resistance

Up to 60C.

Water

Resists rain and condensation when when used in system with Dulux Acratex Acrylic Texture Systems.

Solvent

Sensitive to alcohols, aromatic hydrocarbons, acetone and strong solvents.

Abrasion

Resists abrasion when used in system with Dulux Acratex Acrylic Texture Systems.

Typical Properties

Clean Up

Water

Meets GBCA V.O.C. Requirements?

Yes

Total Volatile Organic Content (TVOC) values are calculated in accordance to the stated methodology within Green Star Technical Manuals. The TVOC content is theoretically calculated as the sum total of the known VOC values of the product's raw material components. These materials include the base paint plus additional low VOC tinter required for non-factory packaged colours.

Application Methods



Trowel

Render Pump

Specifications

Solids by Volume

100

Min

Max

Recommended

Wet Film Per Coat (microns)

2000

6000

4000

Dry Film Per Coat (microns)

2000

6000

4000

Theoretical Spread Rate (m²/L)

0.5

0.17

0.25

Drying Time

Min

Max

Recommended

Recoat Time (min/hours)

7-10days

7-10days

7-10days

Application Guide

Surface Preparation

Surface Preparation

Refer to the bag label for detailed information

The substrate must be clean, sound masonry. Cement render relies on substrate "suction" for adhesion and subsequently "free moisture" for proper hydration-cure, and therefore masonry surfaces must be absorbent but not so absorbent that they rob water away from the render during early cure stages. Test surface absorption with water - Surfaces must immediately absorb water to become "dark damp" and remain damp. Excessively porous surfaces may require tempering with water or treatment with a dilute AcraBond solution prior to render application to slow the loss of cement hydration moisture.

Application Procedure and Equipment

Application Procedure and Equipment

Dulux Acratex RenderWall can be applied by traditional Hawk & Trowel method or via Render Pump in single application from 4-6mm or up to 12mm thick in multiple applications.

Mixing

The water-liquid (gauging liquid) component should be first measured into suitable containers or mixing devices and the powder slowly incorporated during agitation.

Mix Ratio (approx. 15L mixed Dulux Acratex RenderWall AcraBuild Medium

20kg (1 full bag) of Dulux Acratex RenderWall AcraBuild Medium

Approx 3.5 litres of fresh clean water Refer to safety for handling instructions

Measure the water component into a 15L pail and add the powder while mixing with a suitable power Mixing Drill

Allow to stand for 3-5 minutes

Remix and adjust consistency with up to 0.5L additional water (once) relative to application requirement

Approximate gauging liquid consumption is 3 - 4 Litres to a 20kg bag.

Thin bed applications requires the addition of AcraBond to fresh clean water to make up the gauging liquid.
2 - 4 mm thick renders: 2 parts AcraBond to 5 parts water
4mm thick renders: 1 part AcraBond to 5 parts water

Renders beyond this thickness do not require the addition of AcraBond, providing the ambient temperature is not too high that it will cause rapid moisture loss & drying. In such conditions wetting or tempering of the freshly applied RenderWall AcraBuild Medium is recommended.

Notes

With the addition of Dulux Acratex AcraBond to Dulux Acratex RenderWall AcraBuild Medium in accordance with recommendations, the recoat time will be 7 days. Product usage Scaling factor = 1.7 kg (dry powder) per sqm per 1mm thick
(eg. a 6mm thick application requires $(6 \times 1.7) = 10.2$ kg per sqm of RenderWall powder)

Dash Coat

The dash coat applications requires, the addition of AcraBond to fresh clean water to make up the gauging liquid.

2 - 4 mm thick renders: 1 parts AcraBond to 1 parts water

Apply as a dash or tie coat to a minimum 80% cover by notched trowel, hopper gun or Terylene gun with AcraBond to the first pass as per bag instruction for the relevant thickness.

Health and Safety

SDS Number
DLX000526

SDS Link
<https://go.lupinsys.com/duluxgroup/harms/public/materials/3c8bb9f28239cf735c4e49d35e4f87be-published/individual>

Using Safety Precautions

Mixed cement pastes are alkaline and can cause skin irritation.

Wear rubber gloves and suitable coverage of skin (eg long sleeves) to avoid skin contact.

Wear appropriate respiratory/ Dust mask and do not breathe dust or mist

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
193-85831

Shipment Name
N/A

Size:

20 kg Bag

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.