

NZAC00568 Dulux Acratex AcraShield Advance Matt on Painted Cement render [Exterior]

Scope of Works

DULUX AcraTex AcraShield Advance is a mid-build, pigmented, cross-linking, water based 100% acrylic coating available in a low gloss and matt finish. It substantially upgrades the overall coating system durability & ensures greater colour consistency especially over large areas. It significantly improves washability, reduces dirt accumulation, pollution and chemical attack.

Substrate and Substrate Preparation

Substrate Notes

Cement render / pre-mixed render

Cement render

Cement Render is a substrate produced by mixing sand and cement that is applied to a surface, usually block-work and brick. Subsequently finished by screeding, floating or sponging to give an even finish.

Pre-mixed render

Premixed renders are stringently formulated based wall renders that are polymer modified. They are supplied in a dry powder form usually 20kg bags which only require the addition of water to produce a mortar paste that exhibits minimal drying shrinkage and good adhesion to clean masonry substrates.

NOTE: Both cement render and premixed renders will produce fine cracks during the drying period. These cracks will open and close as weather conditions change.

Renders require a minimum 28 days curing at 25°C & 50% relative humidity before coating.

Substrate Preparation Notes

PCE007 - NEW CEMENT RENDER / PRE MIXED RENDER

ASSESS SUITABILITY

Inspect to determine the degree of deterioration of existing coatings. Check coating adhesion using the cross-hatch test.as per AS 1580.408.4-1993 : Paints and related materials - Methods of test - Adhesion (cross-cut)

CLEAN SURFACE

Clean to remove all dirt, dust, efflorescence, laitance, powdery surfaces and all other surface contaminants by using a suitable cleaning agent and rinsing / water blasting clean with water. 1500 2500 PSI water blast Treat mould with an appropriate mould treatment after the substrate has been pressure washed, leave for 24hours prior to coating. Efflorescence should be wire brushed clean.

REPAIR SURFACE IMPERFECTIONS

Prepare all areas that have poor adhesion, cracking, peeling and flaking by sanding, power sanding, scraping, wire brushing or grit blast to leave a clean surface. as appropriate. Feather edges of the surrounding sound paint to completely remove visual ridges and wash / dust off to remove debris. Any major design faults leading to structural failure of the plaster coating must be corrected prior to repainting. For cracked plaster which is sound but has cracks > 1mm rake out and fill with Sikadur 31 a two pot epoxy filler which is applied into the crack with a spatula and finish flush with the sound surface, once cured a coat of suitable cement based render can be applied over the repaired area and feather edged on to the existing coating.

SANDING

Sand the entire cleaned substrate to an even flat gloss level to provide a smooth, even surface and to provide a good key for the new coating system to adhere to.

PRIME

Prime any bare areas with a suitable deep penetrating primer

Coating System Summary

- | | |
|---------------|--|
| • 1st Coat | Dulux PREP WASH |
| • Spot Primer | Dulux Acratex Acra-Prime 501/1 Water Based |
| • 2nd Coat | Dulux Acratex AcraShield Advance Matt |
| • 3rd Coat | Dulux Acratex AcraShield Advance Matt |

Coating System			
1st Coat — Dulux PREP WASH			
Coat Type 1st Coat	Datasheet NZDU00398 Dulux PREP WASH		
Read the full Datasheet details at Dulux PREP WASH			
Application Methods			
 Brush			
Broom Garden sprayer			
	Min	Max	Recommended
Theoretical Spread Rate (m ² /L)	6	12	
Recoat Time **	n/a	n/a	n/a
Meets ECNZ V.O.C. Requirements? Not Applicable			
Coating Application Details Apply by broom or brush. Or by garden sprayer. 1. Add one part Dulux Prep Wash concentrate to one part water in a clean plastic bucket and mix well. 2. Test on a small inconspicuous area at recommended dilution to determine effectiveness and strength required. 3. Apply diluted Dulux Prep Wash solution to walls/roof/trim with a broom/brush or garden sprayer. Leave the solution on the surface until mould and mildew stains disappear or soften (approximately 10 minutes), avoiding allowing the solution to dry out. Scrub vigorously. 4. Rinse off the surface with water using a high pressure or garden hose and allow surface to dry. Surface may be slippery while wet (roof). Stubborn stains may require longer time, more vigorous scrubbing, or additional treatment. Severely stained surfaces may need a power washer, or treatment with undiluted Dulux Prep Wash concentrate.			
SDS Number 000000022880	SDS Link View SDS Link		
Spot Primer — Dulux Acratex Acra-Prime 501/1 Water Based			
Coat Type Spot Primer	Datasheet NZAC00211 Dulux Acratex Acra-Prime 501/1 Water Based		
Read the full Datasheet details at Dulux Acratex Acra-Prime 501/1 Water Based			
Application Methods			
 Air Spray  Airless Spray  Brush  Roller			
	Min	Max	Recommended
Theoretical Spread Rate (m ² /L)	10	5	10
Wet Film Per Coat (microns)	65	130	65
Dry Film Per Coat (microns)	20	40	20
Recoat Time **	2 Hours	NA	
V.O.C. Level < 5g/L	Meets ECNZ V.O.C. Requirements? Not Applicable		
Coating Application Details			

Brush, roller, conventional or airless spray.
Refer to the DULUX Acratex Applicators Training Manual for detailed instructions.
Typical airless set-up: Wagner PS 24 using 411-413 spray tip at approx. 1000 psi.

SDS Number
14557202

SDS Link
[View SDS Link](#)

2nd Coat — Dulux Acratex AcraShield Advance Matt

Coat Type
2nd Coat

Datasheet
NZAC00074 Dulux Acratex AcraShield Advance Matt

Read the full Datasheet details at [Dulux Acratex AcraShield Advance Matt](#)

Application Methods

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

	Min	Max	Recommended
Theoretical Spread Rate (m ² /L)	6	4.5	6
Wet Film Per Coat (microns)	167	222	167
Dry Film Per Coat (microns)	75	100	75
Recoat Time **	2 Hours	Indefinite	

V.O.C. Level
<90g/L

Meets ECNZ V.O.C. Requirements?
Not Applicable

Coating Application Details

Brush, roller and airless spray

Brush and roll at the same time to avoid picture framing.

Product should be thoroughly mixed before use. Refer to the Dulux Acratex Application Manual for detailed instructions.

Dulux Acratex AcraShield Advance may be applied by brush, roller or airless spray. A 10-20mm nap roller is used depending on the type of texture being overcoated.

Typical Airless Spray set up is: Graco Ultra 500 using 0.019-0.021 spray tip at approx. 1000 psi.

SDS Number
DLX003010

SDS Link
[View SDS Link](#)

3rd Coat — Dulux Acratex AcraShield Advance Matt

Coat Type
3rd Coat

Datasheet
NZAC00074 Dulux Acratex AcraShield Advance Matt

Read the full Datasheet details at [Dulux Acratex AcraShield Advance Matt](#)

Application Methods

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

	Min	Max	Recommended
Theoretical Spread Rate (m ² /L)	6	4.5	6
Wet Film Per Coat (microns)	167	222	167

Dry Film Per Coat (microns)	75	100	75
Recoat Time **	2 Hours	Indefinite	
V.O.C. Level <90g/L	Meets ECNZ V.O.C. Requirements? Not Applicable		
Coating Application Details Brush, roller and airless spray Brush and roll at the same time to avoid picture framing. Product should be thoroughly mixed before use. Refer to the Dulux Acratex Application Manual for detailed instructions. Dulux Acratex AcraShield Advance may be applied by brush, roller or airless spray. A 10-20mm nap roller is used depending on the type of texture being overcoated. Typical Airless Spray set up is: Graco Ultra 500 using 0.019-0.021 spray tip at approx. 1000 psi.			
SDS Number DLX003010	SDS Link View SDS Link		
Coating System Notes * Practical Spreading Rate will vary from the quoted Theoretical Spreading Rate due to factors such as method and condition of application and surface roughness. ** Recoat times are quotes for 25°C and 50% relative humidity, these may vary under different conditions.			

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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.

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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/ NZS 4361 Parts 1 and 2 and Worksafe Australia or New Zealand guidelines.