

NZAC00762 Dulux Acratex 951 Coventry Coarse Sand Finish on New Masonry [Exterior]**Scope of Works**

DULUX AcraTex 951 Tuscany Coarse is a high build acrylic based coating, formulated on 100% pure acrylic emulsions, inert mineral fillers, graded aggregates, fungicides and colour stable pigments

Substrate and Substrate Preparation**Substrate Notes**

This is a generic masonry and cementitious substrate. It includes concrete block substrates. The following substrates are excluded: Precast, Tilt-up and Off-form, Concrete Flooring, Roof Tiles and Cement Render. Other specialty masonry or cementitious substrates may also not be covered by this substrate.

BRICK

Bricks are predominantly kiln-fired clay, which can be glazed or unglazed. The glazing on glazed bricks should be ground or scabbled to improve adhesion of the coating system. Brickwork is often raked, so rendering requires much more material than face-laid brickwork. The surface must be clean and sound, free of dirt, grime, mould, fungus, stains, powdery mortar smears and all other contaminants. The surface should be examined to determine if it has been laid to specification (flush jointed or face laid) and that the surface variation is within acceptable tolerances. If applying a texture coating, the degree to which the texture coating camouflages flush walls depends on how flush the substrate has been constructed.

BLOCKWORK

Blockwork is largely cement based and highly porous, and usually flush-laid. The surface should be examined to determine if it has been laid to specification (flush jointed or face laid) and that the surface variation is within acceptable tolerances. The degree to which texture coatings camouflage flush walls depends on how flush the substrate has been constructed.

AUTOCLAVED AERATED CONCRETE (AAC)

AAC is manufactured from sand, lime and cement, to which is added water and aluminium paste. After mixing, the cement slurry is poured into moulds. The aluminium paste reacts with the alkaline elements in the mixture and forms hydrogen gas. This liberated gas expands the mixture forming extremely small finely dispersed air spaces. The product is removed from the mould after a few hours, cut to the required dimension and finally cured under pressure in a steam autoclave.

AAC Block Wall Systems are (typically) load-bearing external wall solutions for homes as an alternative to traditional double brick construction. Blocks are glued together (thin bed) using AAC Manufacturer's adhesive to a design standard of providing a level, fully filled joint.

AAC Panel is (typically) a 50 or 75mm panel of Autoclaved Aerated Concrete (AAC) with corrosion protected steel reinforcement embedded during production. This lightweight, yet solid masonry panel is designed for external cladding in timber or steel frame construction. Panels are glued together (thin bed) using AAC Manufacturer's adhesive to a design standard of providing a level, fully filled joint.

Substrate Preparation Notes**ASSESS SUITABILITY**

Concrete, mortar and cement based products need to be fully cured for at least 28 days before painting, unless using Dulux AcraTex HAR primer.

PREPARE SURFACE

Remove any powdery layers, laitance, efflorescence and protrusions of mortar by detergent cleaning, wire brushing, water blasting or a suitable chemical treatment.

CLEAN

Clean the surface thoroughly by water blasting or detergent cleaning, where a commercial cleaner is added to hot or cold water and surface is washed / scrubbed thoroughly with a stiff bristle broom and then rinsed clean with fresh water. This may need to be repeated on extremely dirty surfaces to ensure removal of efflorescence or other poorly bonded surface material. Ensure that the surface is dry, clean and free from dust. Efflorescence may also be removed with an acid treatment, followed by washing down the surface with water.

REPAIR SURFACE IMPERFECTIONS

Fill any cracks or surface imperfections with a suitable filler or patching compound.

RENDERING OF NEW BRICK/ BLOCKWORK & MASONRY

Refer to Dulux AcraTex Texture coatings for suitable levelling and texture systems.

Coating System Summary

- 1st Coat Specialized Construction Products Masonry Levelling Compound
- 2nd Coat Dulux Acratex Green Render Sealer
- 3rd Coat Dulux Acratex 951 Coventry Coarse Sand Finish
- 4th Coat Dulux Acratex AcraShield Advance Matt

Coating System

1st Coat — Specialized Construction Products Masonry Levelling Compound

Coat Type 1st Coat	Datasheet NZSP00028 Specialized Construction Products Masonry Levelling Compound
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Read the full Datasheet details at [Specialized Construction Products Masonry Levelling Compound](#)

Application Methods



	Min	Max	Recommended
Wet Film Per Coat (microns)	4000	50000	
Dry Film Per Coat (microns)	4000	50000	
Recoat Time **	8 Hours	Indefinite	

V.O.C. Level <1 g/L	Meets ECNZ V.O.C. Requirements? Not Applicable
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Coating Application Details

Mixing: 7.5L of water per 20kg

Apply by trowel or plastering pump.

Product must be applied not less than 4mm thick and up to 50mm.

If pointing between bricks is in poor condition or if the dwelling is subject to excessive movement a layer of 160g fibreglass mesh with a minimum aperture of 8 x 8 mm can be embedded into the Masonry Levelling Compound. All stress point should be reinforced with butterflies of mesh.

Apply render only when the temperature is between 5°C and 30°C. Once applied the render should be floated or screed flat to achieve a level plane which is free of deviations. Once dry the surface can be sanded flat using a longboard or scraped with a broad-knife to remove any ridges or minor bumps.

SDS Number DLXNZLEN003946	SDS Link View SDS Link
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2nd Coat — Dulux Acratex Green Render Sealer

Coat Type 2nd Coat	Datasheet NZAC00038 Dulux Acratex Green Render Sealer
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Read the full Datasheet details at [Dulux Acratex Green Render Sealer](#)


Application Methods



	Min	Max	Recommended
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Theoretical Spread Rate (m²/L)	8	7	8
Wet Film Per Coat (microns)	126	143	126
Dry Film Per Coat (microns)	44	50	44
Recoat Time **	4 hours	4 hours	4 hours
V.O.C. Level 20 g/L	Meets ECNZ 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.		
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. A 10-20mm nap roller is used depending on the type of surface profile being overcoated. Typical Airless Spray set up is: Graco Ultra 500 using 0.017-0.019 spray tip at approx. 1000 psi.			
SDS Number DLX002555	SDS Link View SDS Link		

3rd Coat — Dulux Acratex 951 Coventry Coarse Sand Finish

Coat Type 3rd Coat		Datasheet NZAC00232 Dulux Acratex 951 Coventry Coarse Sand Finish	
Read the full Datasheet details at Dulux Acratex 951 Coventry Coarse Sand Finish			
Application Methods			
<div> Trowel</div>			
Tex Spray. Coventry Coarse should be tinted in accordance with AcraTex Tint Guide to the specified membrane top coat colour (Or a colour as close as possible to the specified colour in accordance with product /base tint rules)			
	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	.8	.7	.8
Wet Film Per Coat (microns)	1333	1467	1333
Dry Film Per Coat (microns)	1000	1100	1000
Recoat Time **	24 hours	Indefinite	
V.O.C. Level 20 g/L untinted		Meets ECNZ V.O.C. Requirements? Not Applicable	
Coating Application Details			
Product should be tinted & thoroughly mixed before use. Refer to the DULUX AcraTex Application Manual for detailed application instructions. Use masking to protect adjacent areas. The area should be patched and primed ready for final texture coat. DULUX AcraTex 951 Coventry Coarse is applied by hawk and stainless steel trowel, then finished in a circular motion with the plastic finishing float to achieve an even granular appearance. Two applicators are required for most areas - one applying the other processing the finish. Delivery must be to a uniform thickness. Allow the material to stand for a short time before "rubbing up" with a float to produce the desired pattern/texture. Application must be in a brisk uniform fashion terminating when the whole area is complete, banded by a natural break			

such as an expansion joint, corner etc.

Application commenced on a single area must be completed uninterrupted.

Trowel and Hawk finished with a plastic float

SDS Number
DLXNZLEN002659

SDS Link
[View SDS Link](#)

4th Coat — Dulux Acratex AcraShield Advance Matt

Coat Type
4th 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.