

NZAC00608 Dulux AcraTex AcraShield Advance Low Gloss on New Masonry [Exterior]**Scope of Works**

DULUX AcraTex AcraShield Advance is a high build, pigmented, water based 100% acrylic, weatherproofing and anti-carbonation barrier coating available in a low gloss and matt finish.

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 Dulux Acratex Acra-Prime 501/1 Water Based
- 2nd Coat Dulux Acratex AcraShield Advance Low Gloss
- 3rd Coat Dulux Acratex AcraShield Advance Low Gloss

Coating System

1st Coat — Dulux Acratex Acra-Prime 501/1 Water Based

Coat Type 1st Coat	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			
<div><div> Air Spray</div><div> Airless Spray</div><div> Brush</div><div> Roller</div></div>			
	Min	Max	Recommended
Theoretical Spread Rate (m²/L)	<div>10</div>	<div>5</div>	<div>10</div>
Wet Film Per Coat (microns)	<div>65</div>	<div>130</div>	<div>65</div>
Dry Film Per Coat (microns)	<div>20</div>	<div>40</div>	<div>20</div>
Recoat Time **	<div>2 Hours</div>	<div>NA</div>	<div></div>
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 Low Gloss

Coat Type


2nd Coat


Datasheet


NZAC00110 Dulux Acratex AcraShield Advance Low Gloss


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

Application Methods

 Air Spray

 Airless Spray





 Brush

 Roller

	Min	Max	Recommended
Theoretical Spread Rate (m²/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 <48g/L	Meets ECNZ V.O.C. Requirements? Not Applicable		
<p>Coating Application Details</p> <p>Brush, roller and airless spray</p> <p>Brush and roll at the same time to avoid picture framing.</p> <p>Product should be thoroughly mixed before use. Refer to the Dulux Acratex Application Manual for detailed instructions.</p> <p>Dulux Acratex AcraShield may be applied by brush, roller or airless spray. A 10-20mm nap roller is used depending on the type of texture being overcoated.</p> <p>Typical Airless Spray set up is: Graco Ultra 500 using 0.019-0.021 spray tip at approx. 1000 psi.</p>			
SDS Number DLX003011	SDS Link View SDS Link		

3rd Coat — Dulux Acratex AcraShield Advance Low Gloss

Coat Type 3rd Coat		Datasheet NZAC00110 Dulux Acratex AcraShield Advance Low Gloss	
Read the full Datasheet details at Dulux Acratex AcraShield Advance Low Gloss			
Application Methods			
<div><div> Air Spray</div><div> Airless Spray</div><div> Brush</div><div> Roller</div></div>			
	Min	Max	Recommended
Theoretical Spread Rate (m²/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 <48g/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 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 DLX003011		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.