

NZAC00409 Dulux Acratex AcraShield Advance Matt on Painted Precast, Tilt-up and Off Form Concrete [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

For other masonry and cementitious substrates (such as concrete block) please use the Masonry substrate.

OFF FORM CONCRETE

Off-form Concrete is produced by placing suitable forms and shoring to hold the wet concrete into the required shape. Reinforcements are placed within or on the formwork to give concrete its strength. Once the formwork and shoring are removed the result is the off form concrete.

TILT UP

Tilt-up concrete is derived simply from the method of construction, wall panels are cast on a horizontal surface that then require lifting, and tilting vertically into their final position. Construction is commenced with the laying of the structures foundation and floor slab, wall panels are then cast on the floor one on top of each other in a stack arrangement.

PRE-CAST

Pre-Cast concrete are concrete panels that are cast on horizontal vibrating beds that are then cured in racks that are delivered to site that then require lifting, and positioned into their final position.

Substrate Preparation Notes

ASSESS SUITABILITY

Inspect to determine the degree of deterioration of existing coatings. Identification of the existing coating is also very helpful in determining the repaint system. Check coating adhesion using the cross-cut adhesion test, carried out in various locations.

REMOVE SURFACE CONTAMINANTS

Clean to remove all dirt, dust, efflorescence, laitance, powdery surfaces, mould and all other surface contaminants by using a suitable cleaning agent, such as Dulux Prep Wash and rinsing/water blasting clean with water. Water blasting will also give a good indication as to the coatings integrity. Efflorescence may also be removed with an acid treatment, followed by washing down the surface with water.

REPAIR SURFACE IMPERFECTIONS

Prepare all areas that have poor adhesion, cracking, peeling and flaking by sanding, power sanding, scraping, wire brushing, grit blasting, burning off or chemical stripping as appropriate, to leave a clean surface. 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 must be corrected prior to repainting. Use an acrylic based patching compound with the addition of 10-20% fresh Portland cement to patch any surface defects.

SANDING

Sand the entire cleaned coating 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. Ensure all sanding dust is removed prior to continuing.

PRIME

Spot prime any exposed areas with a suitable water based primer, unless a more penetrating solvent based primer is required.

ADDITIONAL NOTES:






- Ensure all previously painted enamel finishes are thoroughly abraded to ensure adequate adhesion of subsequent coating system.

Additional Notes

All cracks should be fill using an MS Sealant and applied as per the manufacturers specifications





Coating System Summary

- | | |
|---------------|--|
| • Preparation | 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			
Preparation — Dulux PREP WASH			
Coat Type Preparation	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 (m²/L)	<input type="text" value="6"/>	<input type="text" value="12"/>	<input type="text"/>
Wet Film Per Coat (microns)	<input type="text" value="0"/>	<input type="text"/>	<input type="text" value="0"/>
Dry Film Per Coat (microns)	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Recoat Time **	<input type="text" value="n/a"/>	<input type="text" value="n/a"/>	<input type="text" value="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 (m²/L)	<input type="text" value="10"/>	<input type="text" value="5"/>	<input type="text" value="10"/>
Wet Film Per Coat (microns)	<input type="text" value="65"/>	<input type="text" value="130"/>	<input type="text" value="65"/>
Dry Film Per Coat (microns)	<input type="text" value="20"/>	<input type="text" value="40"/>	<input type="text" value="20"/>
Recoat Time **	<input type="text" value="2 Hours"/>	<input type="text" value="NA"/>	<input type="text"/>

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			
<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 <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 (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 <90g/L		Meets ECNZ V.O.C. Requirements? Not Applicable	
<div>Coating Application Details</div> <div>Brush, roller and airless spray</div> <div>Brush and roll at the same time to avoid picture framing.</div> <div>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.</div> <div>Typical Airless Spray set up is: Graco Ultra 500 using 0.019-0.021 spray tip at approx. 1000 psi.</div>			
SDS Number DLX003010		SDS Link View SDS Link	
<div>Coating System Notes</div> <div>* 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.</div>			

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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.