NZAC00780 Dulux Acratex 951 Coventry Coarse Sand Finish on New EIFS (Poly) [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

EXTERIOR INSULATION AND FINISHING SYSTEM
EPS (expanded polystyrene), XPS (extruded polystyrene) and/or ICF (insulating concrete formwork) substrates are lightweight cladding materials. Polystrene is a lightweight, durable polymer that is manufactured in a number of grades depending on the application. In building situations, the lightweight characteristic is a major advantage in providing structural design economies. These materials also provide excellent thermal insulation. They have been used throughout the world for over 40 years in an extremely wide range of applications.
An EIFS coating system generally consists of a base coat (including imbedded mesh), cementitious render and primer or primer and arcylic render, followed by a high build topcoat.

Substrate Preparation Notes

Only a Dulux approved applicator can install a Exsulite EIFS cladding system, following the Installation Manual.
Install other EIFS according to the manufactures instructions.

Coating System Summary

- 1st Coat — Specialized Construction Products Coarse Mesh Coat
- 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 Coarse Mesh Coat

Coat Type	Datasheet
1st Coat	**NZSP00023 Specialized Construction Products Coarse Mesh Coat**

Read the full Datasheet details at Specialized Construction Products Coarse Mesh Coat

Application Methods

Trowel

	Min	Max	Recommended
Wet Film Per Coat (microns)	3000	4000	
Dry Film Per Coat (microns)	3000	4000	
Recoat Time **	8 Hours	Indefinite	

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

Coating Application Details

MIXING: Add approximately 6 litres of clean water to a clean bucket and then while stirring slowly add the 20kg bag of Coarse Mesh Coat. Coarse Mesh Coat should be mixed with with a heavy duty electric drill powering a high shear stirrer at approximately 600 r.p.m. The product should be mixed for a minimum of 2 minutes or long enough to provide a smooth lump-free blend. The consistency should be such that the material holds its shape when a finger is run through the surface. Let the mix stand for 5 minutes and give it a quick re-stir before application and adjust the final consistency.

The first coat or base coat of plaster is usually trowel applied with a long 20" x 4" or 20" x 5" steel trowel. Start at the corner of the wall and apply plaster to the full height of the substrate about one and a half meters wide (the width of the mesh). Apply at 3mm thickness.
Place a layer of mesh (length longer than the wall) against the wet plaster at the top of the wall. Wipe the mesh very lightly at first into the plaster, starting from the middle and working out. Make sure there are no bubbles or wrinkles in the mesh. Once the mesh is flat against the plaster, apply pressure with the trowel and imbed the mesh just below the surface of the substrate. Repeat the process and ensure each adjacent drop of mesh overlaps its predecessor by at least 30mm.

For full system details refer to the Specialized installation guide.

Coarse Mesh Coat can also be used as a finish coat for Masonry and Brick substrates. It can be sprayed through a sagola gun to achieve a finely spiked texture finish.

SDS Number	SDS Link
DLX003952	View SDS Link

2nd Coat — Dulux Acratex Green Render Sealer

Coat Type	Datasheet
2nd Coat	**NZAC00038 Dulux Acratex Green Render Sealer**

Read the full Datasheet details at Dulux Acratex Green Render Sealer

Application Methods

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

	Min	Max	Recommended
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	SDS Link
DLX002555	View SDS Link

3rd Coat — Dulux Acratex 951 Coventry Coarse Sand Finish

Coat Type	Datasheet
3rd Coat	**NZAC00232 Dulux Acratex 951 Coventry Coarse Sand Finish**

Read the full Datasheet details at Dulux Acratex 951 Coventry Coarse Sand Finish

Application Methods

Trowel

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 (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	SDS Link
DLX003010	**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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