NZDU01680 Dulux Enviropoxy WBE Semi Gloss on Painted Precast, Tilt-up and Off Form Concrete [Interior]

Scope of Works

DULUX Enviropoxy WBE is a high performance water based acrylic epoxy topcoat that has been developed especially for Australasian conditions. It displays superior gloss retention and resistance to chalking and yellowing compared to traditional solvent based epoxies.

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.

Coating System Summary

• Spot Primer	Dulux Luxepoxy 4 White Primer
• 1st Coat	Dulux Enviropoxy WBE Semi Gloss
• 2nd Coat	Dulux Enviropoxy WBE Semi Gloss

Coating System

Spot Primer — Dulux Luxepoxy 4 White Primer

Coat Type	Datasheet
Spot Primer	**NZDU00466 Dulux Luxepoxy 4 White Primer**

Read the full Datasheet details at Dulux Luxepoxy 4 White Primer

Application Methods

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

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)			8.6
Wet Film Per Coat (microns)			125
Dry Film Per Coat (microns)			50
Recoat Time **	8 Hours	Indefinite	

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

1st Coat — Dulux Enviropoxy WBE Semi Gloss

Coat Type	Datasheet
1st Coat	**NZDU00489 Dulux Enviropoxy WBE Semi Gloss**

Read the full Datasheet details at Dulux Enviropoxy WBE Semi Gloss

Application Methods

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

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)			7.6
Wet Film Per Coat (microns)			130
Dry Film Per Coat (microns)			50
Recoat Time **	4 Hours	4 Weeks	

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

2nd Coat — Dulux Enviropoxy WBE Semi Gloss

Coat Type	Datasheet
2nd Coat	**NZDU00489 Dulux Enviropoxy WBE Semi Gloss**

Read the full Datasheet details at Dulux Enviropoxy WBE Semi Gloss

Application Methods

Air Spray | Airless Spray | Brush | Roller

	Min	Max	Recommended
Theoretical Spread Rate (m²/L)			7.6
Wet Film Per Coat (microns)			130
Dry Film Per Coat (microns)			50
Recoat Time **	4 Hours	4 Weeks	

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

Coating System Notes
* Theorectical Coverage is the area is the area covered by 1 Litre of material at the specifiaction 'Dry Film Thickness' without a loss to a smooth and non porous surface.

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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.