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AquaDuo

Waterbased Epoxy Coating

Description: Aquaduo is a system combination of Aquaguard 101 and Aquacolour.
 Aquaguard 101: waterbased two-part epoxy polyamide basecoat
 Aquacolour : waterbased two-part epoxy-acrylic gloss topcoat.

Features: Aquaduo gives extremely high adhesion to concrete surfaces and prevents water vapor transmission from the concrete into the back surface of the coating. This greatly reduces the risk of delamination.

- Will bond to the damp concrete found on construction sites
- High build
- High adhesive properties
- Not susceptible to alkaline concrete
- Aquacolour is glossy and hard, easy to clean and hygienic. Colour choice of any light-medium tone.
- 400 micron film build
- Wall coating but also a highly effective floor coating.

See other documents Aquaguard 101 and Aquacolour techdata sheets

Limitations

- Aquacolour must not be applied to green Aquaguard 101 (must be cured for 48Hours prior)
- Aquacolour requires 48 hrs cure from completion of last coat before exposure to water or chemicals).

Substrates Concrete, precast, Tilt-slab, masonry

Preparation **SUBSTRATE REQUIREMENTS - WALLS**

Precast Concrete

- To be finished to NZS 3114:1987 F5 (precast), F4 (Insitu) finish or better.
- Recommended cure period 28 days. May be applied earlier

Concrete Block

- To be constructed to comply with NZS4210 “Code of Practice”.
- **Option 1** - shallow pointed to comply with requirements or other as appropriate.
- **Option 2** - Smooth plastered. 1st Coat Nuplex Tecstop (fibre reinforced), Spread rate 6-7m²/bag Minimum thickness 4-5mm.
2nd Coat Nuplex Multiplast Finishing Compound; Spread rate 8-10m²/bag, Minimum thickness 1-2mm.

General

- Cure/release agents not to be used without approval by Nuplex Industries Ltd.

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SURFACE PREPARATION

Ensure all surfaces to be coated are clean and dry. Substrate moisture content must be less than 18% (75% R.H.).

Remove any remaining dags, nibs and other protrusions as required.

Thoroughly clean down all areas to be coated by waterblasting, grinding etc or chemically etching (Phosphoric acid only) as appropriate. This is to remove all contaminants likely to interfere with the adhesion of the coating system, such as release agents, dirt, laitence etc and to provide a key to ensure adequate mechanical bond to the substrate.

All blow holes, pin holes, hollows, defects etc are to be bagged, filled or made good using Nuplex Fairing Cream. This epoxy should be used as the Aquaguard must bond to a sound surface/

Application:

Aquaguard 101 and aquacolour are to be applied according to their individual datasheets.

Concrete wall surfaces.

Nuplex Aquaguard 101 / Aquacolour

- Waterbased low odour system.
- Pastel topcoat colour only.

			Min.	Std
1 st Coat	Nuplex Aquaguard 101	DFT	125 microns	125
	Spread rate 3m ² /litre			
2 nd Coat	Nuplex Aquaguard 101	DFT	125 microns	125
	Spread rate 3m ² /litre			
3 rd Coat	Nuplex Aquacolour	DFT	40 microns	80
	Spread rate 8m ² /litre			
4 th Coat	Nuplex Aquacolour	DFT	40 microns	80
	Spread rate 8m ² /litre			

Minimum recommended total DFT 330 microns, Std 400