

| MANUAL SECTION | ISSUE DATE | AUTHORISED | REPLACES | PAGE |
|---------------------|------------|------------|----------|--------|
| Protective finishes | Aug 2007 | PM | System | 1 of 2 |

EPYGLAZE

Waterbased Epoxy Coating

Description: Epyglaze is a system combination of :
 Aquaguard 101: waterbased two-part epoxy polyamide basecoat
 Flexiglaze : waterbased acrylic body-coat.

Features: Epyglaze 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
- Flexiglaze is supplied in lowsheen or off-Gloss.
- Full Colour choice (light to medium recommended)
- Exterior suitable
- Fully waterbased system
- 340 total micron film build

See other documents Aquaguard 101 and Flexiglaze data sheets

Limitations - Only standard chemical resistant

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 101and Flexiglaze are to be applied according to their individual datasheets.

Concrete wall surfaces.

Nuplex Aquaguard 101 / Flexiglaze

| | | | Min. |
|----------------------|--|-----|-------------|
| 1 st Coat | Nuplex Aquaguard 101 | DFT | 125 microns |
| | Spread rate 3m ² /litre | | |
| 2 nd Coat | Nuplex Aquaguard 101 | DFT | 125 microns |
| | Spread rate 3m ² /litre | | |
| 3rd Coat | 1 st Coat Nuplex Flexiglaze | DFT | 50 microns |
| | Spread rate 10m ² /litre | | |
| 4th Coat | Nuplex Flexiglaze | DFT | 50 microns |
| | Spread rate 10m ² /litre | | |

Minimum recommended total DFT 350 microns

Refer to Flexiglaze datasheet for primers if the coating is to be used alone.