

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

## Twintite

### Durable Epoxy & Urethane Coating System

**Description:** Twintite is a system combination of Aquaguard 101 and Surfaglaze topcoat.  
 Aquaguard 101: Waterbased two-part epoxy polyamide basecoat  
 Surfaglaze topcoat: Urethane-acrylic gloss topcoat.

**Features:** Twintite 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
- Surfaglaze Topcoat is glossy and hard, easy to clean and hygienic. Colour choice of any tone. **RAPID CURING.**
- 360 micron film build
- Wall coating
- Chemical and Heat resistant

*See other documents* Aquaguard 101 and Surfaglaze Topcoat techdata sheets

**Limitations**

- Surfaglaze topcoat must not be applied to green Aquaguard 101 (must be cured for 8 hours prior)
- Surfaglaze topcoat is solvent based.
- In very high, continuous heat environments use Surfaglaze Topcoat on its own directly to concrete (which must be dry prior).

**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. 1<sup>st</sup> Coat Nuplex Tecstop (fibre reinforced), Spread rate 6-7m<sup>2</sup>/bag  
 Minimum thickness 4-5mm.  
 2<sup>nd</sup> Coat Nuplex Multiplast Finishing Compound; Spread rate 8-10m<sup>2</sup>/bag, Minimum thickness 1-2mm.

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**General**

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

**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 Surfaglaze Topcoat are to be applied according to their individual datasheets.

**Concrete wall surfaces.**

**Concrete wall surfaces (plastered blockwork).**

**Nuplex Aquaguard 101 / Surfaglaze Topcoat**

- Solvent based topcoat.
- Full colour options.
- Application to **green concrete** (minimum 5 days cure).

			Min	Std
1 <sup>st</sup> Coat	Nuplex Aquaguard 101 Spread rate 3m <sup>2</sup> /litre	DFT	125 microns	125
2 <sup>nd</sup> Coat	Nuplex Aquaguard 101 Spread rate 3m <sup>2</sup> /litre	DFT	125 microns	125
3 <sup>rd</sup> Coat	Nuplex Surfaglaze Topcoat Spread rate 10m <sup>2</sup> /litre	DFT	40 microns	60
<b>Option</b>				
Extra coat for certain bright colours				
4 <sup>th</sup> Coat	Nuplex Surfaglaze Topcoat Spread rate 10m <sup>2</sup> /litre	DFT	40 microns	50

**Minimum recommended total DFT 290 microns, 360 STD**