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## SURFAGLAZE Protective Coating

**GENERIC TYPE:**

A system utilising various sealers, a high build acrylic emulsion **base coat** and a two pack acrylic urethane enamel **top coat**.

**TYPICAL PROPERTIES / FEATURES:**

- SURFAGLAZE is a high performance decorative coating system for areas where very low maintenance is a requirement..
- Good re-coatability.
- Excellent resistance to soiling and ultra violet radiation attack. **Excellent colour fastness & Durability.**
- Colours:Any colour. Lighter colours are preferred exterior
- Contains sophisticated UV protective additives.
- Minimum application temperature - +10°C.
- Moisture vapour permeability (BS 3177:1959) – 65 gms mil/m<sup>2</sup> / 24 hours.
- Weathering: (1000 hours QUV accelerated weather tester to ASTM G-53-77. 4 hour UV at 60°C, 4 hours condensation at 40°C. No visible effect.

**SUGGESTED USES:**

- Interior / exterior application.
- A long life, weather resistant coating for application to residential and commercial structures subjected to severe UV attack, dirt polluted atmosphere and moderate chemical contamination.
- Protective / Decorative coating for the maintenance of roofs constructed of fibre cement sheeting, clay, metal and concrete tiles.
- Light traffic coating.
- Surfaglaze Basecoat may be used un-topcoated as a matt-finish wall coating system. (or sealed with Revagalze W)
- Surfaglaze Topcoat is also used as a **metal protection coating** over steel or anti-corrosive basecoats

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**NOT RECOMMENDED:**

- Areas subjected to severe chemical attack.
- Application below +10°C.

**APPLICATION:**

**Method:** Brush, roller, airless and conventional spray.

**Mix Ratios (Volume):** Surfaglaze Topcoat – 7:1 (A:B)

**Mixing:** Surfaglaze Topcoat – combine part A and B to the correct proportions, mix thoroughly, leave to stand for 10 – 15 minutes before use.

**COVERAGE RATES:**

- Appropriate sealer 8 – 10m<sup>2</sup> / litre (refer data sheets Acrylic Sealer and Solvent Sealer).
- Surfaglaze Basecoat 4m<sup>2</sup> / litre / coat.
- Surfaglaze Topcoat 4 – 6m<sup>2</sup> / litre / coat.

<b>No. of Coats:</b>	Sealer	1
	Surfaglaze Basecoat	2
	Surfaglaze Topcoat	2

**TOTAL FILM BUILD:**

(Theoretical)

<b>Wet:</b>	Sealer	Negligible
	Surfaglaze Basecoat	500 microns (0.020")
	Surfaglaze Topcoat	333 microns (0.013")
	<b>= TOTAL</b>	<b>833 microns (0.033")</b>
<b>Dry:</b>	Sealer	Negligible
	Surfaglaze Basecoat	250 microns (0.010")
	Surfaglaze Topcoat	133 microns (0.053")
	<b>= TOTAL</b>	<b>383 microns (0.0153")</b>

**Thinning:** Refer to appropriate data sheet.

**DRY TIMES:**

(25°C 50% RH)

Sealer	Touch Dry:	1 hour
	Recoat:	2 hours
Surfaglaze Basecoat	Touch Dry:	2 hours
	Recoat:	4 hours
Recoat with Surfaglaze Topcoat:		12 hours
Surfaglaze Topcoat	Touch Dry:	1 hour
	Recoat:	4 hours
	Hard Dry:	12 hours

**SPECIFICATION GENERAL**

**NUPLEX SURFAGLAZE** is a coating system utilising a high build acrylic emulsion basecoat and a two pack acrylic urethane enamel top coat

This specification deals with:

1. Manufacture of Materials
2. Finish Options
3. Surface Preparation
4. Application

1. **MANUFACTURE OF MATERIALS**

All materials shall be produced, supplied and specified by Nuplex Industries Ltd. To avoid incompatibility of component material it is essential that Nuplex technical staff be consulted before any product other than those specified is used.

2. **FINISH OPTIONS**

Roller finish or textured. Semigloss or gloss. (Contact local applicator or Nuplex office for samples.

<b>FINISH</b>	<b>APPLICATION</b>	<b>COVERAGE (BASECOAT)</b>	<b>COVERAGE (TOPCOAT)</b>
Smooth	Conventional/Airless Spray	2m <sup>2</sup> / litre	8m <sup>2</sup> / litre/coat
Roller Finish	Standard Paint Roller	2m <sup>2</sup> / litre	6.5m <sup>2</sup> /litre/coat
Textured Roller	Textured Roller	1.0-1.5m <sup>2</sup> /litre	5m <sup>2</sup> /litre/coat
Fine Texture	Spray – Hopper Gun	1.5-2m <sup>2</sup> /litre	5m <sup>2</sup> /litre/coat
Med Texture	Spray – Hopper Gun	1.5m <sup>2</sup> /litre	4m <sup>2</sup> /litre/coat
Coarse Texture	Spray – Hopper Gun	1.0m <sup>2</sup> /litre	3m <sup>2</sup> /litre/coat

**SURFAGLAZE** (cont'd)

3. **SURFACE PREPARATION**

It is the licensed applicators responsibility to inspect all areas which are to receive the SURFAGLAZE coating and report any unsatisfactory conditions to the main contractor. Listed below are detailed specifications for preparing of various substrates.

a.) **SUBSTRATE**

Blockwork, Bricks, Cement Plaster

**SEALER**

Nuplex Acrylic Sealer

### **Flushing of Substrate**

Textured coatings when applied to pointed bricks or blockwork will follow the mortar pattern of the substrate. This type of finish can be very effective where desired, however where a flush finish is desired the substrate should be flushed with Nuplex SURFAPATCH.

Cementitious surfaces shall be cured for a minimum of 28 days and be dry prior to coating. Alternatively, the specified sealer may be substituted by Nuplex Aquaguard 101 (contact Nuplex Building Advisory service before proceeding).

### **Control Joints**

Construction or expansion joints should be filled with a suitable elastomeric sealant applied in accordance with manufacturers recommendations. Sealant shall be overcoated after appropriate dry time with Nuplex Aquaguard 101 to avoid sealant bleed (check should be made with local Nuplex office as to suitability of sealant).

### **b.) CONCRETE: PRECAST, IN- SITU CAST**

#### **SEALER**

Nuplex Solvent Sealer.

In situ concrete shall be finished to NZS 3114:1987 F5 finish or better. Any defects or hollows shall be made good with Nuplex SURFAPATCH. Control Joints – as above.

#### **OTHERS**

Contact Nuplex Technical Sales staff.

## **4. APPLICATION**

All products shall be applied by Nuplex Licensed Applicators.

### **COATING SYSTEM**

#### **1<sup>ST</sup> Stage**

Apply suitable sealer (refer types of substrate in this section) by brush or roller at required spreading rate. Allow to dry.

#### **2<sup>nd</sup> Stage**

Apply Nuplex SURFAGLAZE basecoat and texture system (to match samples held by specifier) (Specify colour) at a spreading rate of ..... (refer Finish Selection Chart).

#### **3<sup>rd</sup> Stage**

Apply Nuplex SURFAGLAZE TOPCOAT (specify colour as per basecoat) by conventional or airless spray at required spreading rate to achieve a dry film build of 66 microns / coat.