

Technical Data Sheet



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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/m² / 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.
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- **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 Aquaglaze UV).
 - 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 5 minutes before use.

COVERAGE RATES:

- Appropriate sealer see below
- Surfaglaze Basecoat see chart below
- Surfaglaze Topcoat see chart below.

No. of Coats:

Sealer	1
Surfaglaze Basecoat	2
Surfaglaze Topcoat	2

TOTAL FILM BUILD:

(Theoretical)

Wet: Sealer	Negligible
Surfaglaze Basecoat	500 microns (0.020")
Surfaglaze Topcoat	333 microns (0.013")
= TOTAL	833 microns (0.033")

Dry: Sealer	Negligible
Surfaglaze Basecoat	250 microns (0.010")
Surfaglaze Topcoat	133 microns (0.053")
= TOTAL	383 microns (0.0153")

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.)

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

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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 DURASEAL Sealer 4 -6m² / lt

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 Crystal Seal. 4 -6m² / lt

Insitu 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**1ST Stage**

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

2nd 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).

3rd 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.