

Technical Data Sheet



Date June 2016

Replaces July 2007

SITUFLEX High Build Coating, waterbased

GENERIC TYPE:

Pure acrylic, high build coating. Protective Finish.

Durable hardwearing, washable finish.

TYPICAL PROPERTIES /FEATURES:

- Situflex is a tough, durable, jointless, high build coating, formulated to provide a decorative hygienic finish.
- Can be applied as a smooth finish, embossed or as a rough cast texture.
- May be overglazed (Crystal Seal). This provides washability for use in wet environments.
- Interior/exterior application.
- Good abrasion resistance. Easily Cleaned
- Non-flammable. Non-toxic. Low odour.
- Total solids content: 67%; Volume solids: 52%
- S.G. 1.5kgs/litre
- Colour – white plus any colours from the BS5252 colour chart.
- Minimum application temperature +10°C.
- Early Fire Hazard properties (glazed)
Ignitibility Index: 0
Spread of Flame Index: 0
Heat Evolved Index: 0
Smoke Developed Index: 4

SUGGESTED USES:

- Interior/exterior walls and ceilings.
- Shower and toilet walls and ceilings; sports and public facilities.
- Office buildings.
- Kitchens, bathrooms and shower boxes.
- Food preparation and sales areas.
- Dairy sheds and factories
- Wards and hospital wet areas.
- Interior walls and ceilings of boats.

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NOT RECOMMENDED:

- Continuous immersion.
- Areas subjected to severe chemical or physical attack.

SUBSTRATES:

Concrete, precast, wallboard, plasterboard, cement board

APPLICATION METHOD:

Brush, roller, conventional or airless spray.

COVERAGE RATE:

Smooth surfaces: 2m²/litre
Rough surfaces: 1m²/litre
Number of coats: 1 or 2 as required

Sealer

In all wet areas Crystal seal must be applied at 8m²/Lt / coat (2 coats). Aquaclear may be used for full waterbased application.

FILM BUILD (Total):

Wet: 500 microns (.020")
Dry: 260 microns (.010")

THINNING: Clean, potable water.

DRY TIMES:

(20°C 50% RH)

Touch Dry: 2 hours
Recoat: 4 hours
Recoat Solvent Glaze: 2 hours

CLEAN UP: Water

CAUTION:

Provide adequate ventilation when spraying in confined areas and use protective equipment.

NZ DANGEROUS GOODS CLASS: Not applicable

NB: Crystal seal is flammable.

GENERAL SPECIFICATION

NUPLEX SITUFLEX is a pure high build acrylic coating formulated to provide a decorative, durable, jointless, hygienic finish for interior use.

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 – smooth finish – embossed finish. Glazed.

<u>FINISH</u>	<u>APPLICATION</u>	<u>COVERAGE</u>
Smooth	Conventional/Airless Spray	2m ² /Litre
Roller Finish	Standard Paint Roller	2m ² /Litre
Textured Roller	Textured Roller	1.0 – 1.5m ² /Litre
Self Embossed	Spray – Embossed	1.5m ² /Litre
Embossed Multicoloured	Spray - Embossed	1.5m ² /Litre

3. **SURFACE PREPARATION**

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

The surface to be coated must be clean and sound. Remove all dust, dirt, scale, laitance or any other contaminates.

Any previously coated areas are to be thoroughly cleaned. Unsound paints or coatings are to be removed to expose sound substrate.

a.)

BLOCKWORK, BRICKS, CEMENT PLASTER

SEALER: NUPLEX Duraseal

Flushing of Substrate

Embossed 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 Construction Products 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.

b.) PRECAST, SITUCAST CONCRETE

SEALER: NUPLEX Crystal seal

Special Preparation

Insitu concrete shall be finished to NZS 3114:1987 F5 finish or better. Any defects or hollows shall be made good with Nuplex Ultrafinish. Control joints – as above.

c.) **FIBRE CEMENT BOARD**

SEALER: NUPLEX Crystal Seal

Special Preparation

Exposed jointing shall be treated as per control joints, any defects or hollows shall be made good with Nuplex Ultrafinish

d.)

GYPSUM BOARD, GYPSUM PLASTER

SEALER: NUPLEX Crystal seal and follow with thinned Situflex as a primer.

Special Preparation

Gibraltar board and gypsum plaster areas which have been stopped to paint finish must be thoroughly sealed to eliminate all porous areas.

4. **APPLICATION of SITUFLEX S System**

For Situflex to perform to manufacturer's specification the correct sealer, bodycoats and glazes must be applied to the correct coverage rates.

COATING SYSTEM

1st Stage

Apply suitable sealer (refer types of substrates in this section) Duraseal or Crystal seal, by brush or roller at required spreading rate. Allow to dry.

2nd Stage

Apply Nuplex Situflex to selected finish (to match samples held by specifier) at a spreading rate of (refer Finish Selection Chart).

3rd Stage

Apply Nuplex Crystal Seal (normally 8m²/Lt /coat –two coats).

NB: Situflex used in wet areas must have NUPLEX Crystal seal or Aquaclear

Concrete Wall Hygiene finish:

1. Sealer: Solvent Sealer applied by roller @ 5m²/Lt – one coat
2. Bodycoat: Apply Situflex in the specified colour @ 2m²/Lt – one coat by brush, roller or spray systems.
3. Glaze: Crystal seal must be applied at 8m²/Lt / coat (2 coats).