

# Technical Data Sheet

## Situflex High-Build Protective Coating



### DESCRIPTION:

Situflex is a high build, durable hard wearing, washable coating system specifically designed to provide a decorative hygienic finish to masonry and other substrates.

Situflex is a tough, durable, jointless, high build coating, formulated to provide a decorative hygienic finish.

### TYPICAL FEATURES | BENEFITS:

- Can be applied as a smooth, embossed or roughcast texture
- Interior | Exterior application
- Non-toxic
- Easily cleaned
- Finish – Low Sheen
- May be over-glazed – Washability for use in wet environments
- Good abrasion resistance
- Non- flammable
- Low odour

### PERFORMANCE DATA:

Minimum Application Temperature: Air	+10°C	
Minimum Surface Temperature:	+5°C	
Early Fire Hazard Properties: Glazed	Ignitability Index Spread of Flame Index Heat Evolved Index Smoke Developed Index	0 0 0 4
Flash Point:	None-Waterborne	
Spread of fire CRF:	Acceptable solution	

### COLOURS:

Situflex is available in many colours in the standard BS5252F, AS2700 and RAL colours charts.

Situflex can be tinted to any colour. Special colours are also available.

### RECOMMENDED USES:

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

### NOT RECOMMENDED:

- Application below +10°C air temperature.
- Application to incorrectly prepared surfaces.
- Areas subjected to chemical or physical attack.
- Areas subjected to dirt polluted atmosphere unless glaze applied.
- Application to unsound substrates.
- Continuous immersion.

### FINISH OPTIONS:

Finish	Application	Coverage
Smooth	Conventional   Airless Spray	2m <sup>2</sup> / litre
Roller Finish	Standard Paint Roller	2m <sup>2</sup> / litre
Textured Roller	Textured Roller	1.0 - 1.5 <sup>2</sup> / litre
Self-Embossed	Spray -Embossed	1.5 <sup>2</sup> / litre
Embossed Multi-coloured	Spray -Embossed	1.5 <sup>2</sup> / litre

**HEALTH & SAFETY:** Refer safety data sheets (SDS).

- Provide adequate ventilation if spraying in confined areas

**SURFACE PREPARATION:**

It is the allnex licensed contractors responsibility to inspect all areas which are to receive the Situflex coating system and report and unsatisfactory conditions to the main contractor.

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.

**Masonry (Blockwork), Bricks, Cement Plaster**

Coatings or 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.

Cementitious surfaces shall be cured for a minimum of 28 days and be dry prior to coating.

**Control Joints**

Control Joints shall be expressed and waterproofed separately and prior. Construction or expansion joints should be filled with a suitable elastomeric sealant applied in accordance with manufacturers' recommendations.

Sealant should be installed after the completion of coating. If over-coating sealants check with allnex Construction Products for compatibility

**Precast | In-Situ Cast Concrete**

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

**Fibre Cement Sheet**

Sheets shall be fixed in accordance with the manufacturers' recommendations

**Plywood (Exterior Grade - CCA Treated Only)**

Plywood must be thoroughly sealed (including edges and back) with allnex Aquaguard 101 prior to fixing. Any nail holes, defects etc. should be filled with allnex Fairing Cream.

Sheets shall be fixed in accordance with the manufacturers' recommendations

**QUALITY ASSURANCE:**

The allnex Licensed Contractor shall ensure all QA checks have been undertaken prior to the installation process and subsequently during the installation process. The completed documentation must be made available to allnex and the client/clients authorised personnel.

The product is to be installed within the required control range to ensure a fully cured durable coating system.

Information to be recorded daily is:

- Material batch numbers used.
- Sequence of mixing, ratios and quantities and formula.
- Substrate moisture content & Substrate temperature.
- Ambient temperature | Ambient relative humidity.
- Daily detail of licenced contractors on-site.

**PRODUCT PROPERTIES:**

Touch Dry	20°C ~50%RH	2 hours
Recoat time	20°C ~50%RH	4 hours
Over-glaze	20°C ~50%RH	12 hours
Re-Coat Glaze	20°C ~50%RH	2 hours
Total Solids	67%	
Volume Solids	52%	
SG kg/litre	1.25	
Thinning	Clean Potable water: But Not recommended	
Clean Up	Water whilst wet	
Dangerous Good Class	~ Situflex ~ Aquaglaze UV ~ Crystal Seal	Not regulated Not regulated Hazard Class 3   Packing Group II
Packaging	~ Situflex ~ Aquaglaze UV ~ Crystal Seal	15 litre 10 litre 20 litre
Shelf life	24 months from date of manufacture. (After this period consult with allnex)	

**MIXING METHOD:**

Power mix at low speed (approximately 400-500rpm) for 2 minutes ensuring the Situflex is homogeneously blended. Mix slowly to avoid air entrapment.

**APPLICATION METHOD:**

Roller | Brush | Conventional Spray | Airless Spray

**SITUFLEX SYSTEM APPLICATION:**

In all instances a minimum film build of 260 microns is to be obtained.

**Fibre-Cement Sheet – Interior application**

- a) Apply one roller coat of Crystal Seal at 8m<sup>2</sup>/litre to all areas including joints.
- b) Joints in sheets shall be filled as per manufactures recommendations.
- c) Apply 1<sup>st</sup> coat Situflex (colour -----) at 4m<sup>2</sup>/litre.
- d) Apply 2<sup>nd</sup> coat of Situflex (colour -----) at 4m<sup>2</sup>/litre.
- e) Apply 1<sup>st</sup> coat of Crystal Seal at 8m<sup>2</sup>/litre.
- f) Apply 2<sup>nd</sup> coat of Crystal Seal at 8m<sup>2</sup>/litre.

*Option: Aquaglaze UV as a Waterborne Topcoat*

**Masonry Block**

- a) Apply one roller coat of Duraseal at 7m<sup>2</sup>/litre.
- b) Apply 1<sup>st</sup> Situflex (colour -----) at 4m<sup>2</sup>/litre.
- c) Apply 2<sup>nd</sup> coat of Situflex (colour -----) at 4m<sup>2</sup>/litre.
- d) Apply 1<sup>st</sup> coat of Crystal Seal at 8m<sup>2</sup>/litre.
- e) Apply 2<sup>nd</sup> coat of Crystal Seal at 8m<sup>2</sup>/litre.

*Option: Aquaglaze UV as a Waterborne Topcoat*

**Precast/Tilt Slab**

- a) Apply one roller coat of Crystal Seal at 8m<sup>2</sup>/litre.
- b) Apply 1<sup>st</sup> Situflex (colour -----) at 4m<sup>2</sup>/litre.
- c) Apply 2<sup>nd</sup> coat of Situflex (colour -----) at 4m<sup>2</sup>/litre.
- d) Apply 1<sup>st</sup> coat of Crystal Seal at 8m<sup>2</sup>/litre.
- e) Apply 2<sup>nd</sup> coat of Crystal Seal at 8m<sup>2</sup>/litre.

*Option: Aquaglaze UV as a Waterborne Topcoat*

**Plasterboard**

- a) Apply one roller coat of Crystal Sealer at 8m<sup>2</sup>/litre.
- b) Apply 1<sup>st</sup> Situflex –Thinned (colour -----) at 4m<sup>2</sup>/litre.
- c) Apply 2<sup>nd</sup> coat of Situflex (colour -----) at 4m<sup>2</sup>/litre.
- d) Apply 1<sup>st</sup> coat of Crystal Seal at 8m<sup>2</sup>/litre.
- e) Apply 2<sup>nd</sup> coat of Crystal Seal at 8m<sup>2</sup>/litre.

*Option: Aquaglaze UV as a Waterborne Topcoat*

Date: Nov 2019

Replaces: Jan 2018

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