



Technical Data Sheet

SANIFLEX-UV

Single component, high performance, crack-bridging, acrylic-based, elastomeric waterproof, protective & decorative coating for concrete and masonry surfaces

Description:

SANIFLEX-UV is single component, acrylic-based, high-performance, elastomeric waterproofing & protective coating for concrete & masonry substrates. It is suitable for applications for exterior & interior and vertical & horizontal substrates for domestic applications. After application and full cure, it provides an elastomeric & crack-bridging film that is UV resistance and protects atmospherically exposed reinforced concrete, specially where there is a danger of subsequent cracks appearing within the substrates. It is available in a wide range of colours.

Primary Uses:

SANIFLEX-UV is formulated to be used as a waterproofing, decorative and protective coating in:

- Protection atmospherically exposed reinforced concrete structures from attack by acid gases, chloride ions, carbon dioxide, oxygen and water specially where there is a danger of subsequent crack appearing within the substrates.
- Decorative, protective and waterproof coating against water.
- As damp-proof membrane under or above floor screeds.
- As protective, waterproof and weather proof coating.
- Swimming pools & flat roof coating.
- Internal & exterior waterproofing and damp proofing concrete and masonry substrates.
- Sealing and coating tie bar holes for water tightness.

Advantages:

- Easy to apply by suitable brush or roller or airless spray equipment
- Excellent adhesion to sound masonry substrates: porous and non-porous
- Excellent freeze/thaw resistance
- Enables the cement-based substrates to breathe while waterproofing

- Elastomeric with excellent elongation and recovery properties
- Decorative; improves surface appearance
- Protects against waterborne salts (e.g. chlorides, Sulphate, etc.), atmospheric gases and carbonation (1.8 mm of the cured film is equivalent to 1.50 mm of concrete)
- UV resistant
- Excellent barrier to carbon dioxide, chloride ions, oxygen and water

Standards:

SANIFLEX-UV is tested in accordance DIN 1048, BS 8204 Part 3 Method B3, BS 903 Part A-17 & Part A2, BS 3177 and BS 6319 Part 4.

Technical Properties:

Appearance:	Brushable consistency
Density at 20 °C:	1.4 kg/Litre
Solid Content:	65 % by weight
Application temperature:	5 – 35 °C
Time between recoating:	4 - 6 hours
Tensile Strength:	2 N/mm ²
Water vapour diffusion resistance:	SD 0.11 m at 400 ÷ DFT
Elongation (ASTM D-412):	550 – 600 %
Initial Surface Absorption (ISAT, BS 1881 Part 5):	> 95 reduction against control
Carbon dioxide diffusion resistance	
- Equivalent thickness of air: Initial	> 470 meters
- After 2000 hours QUV	> 470 meters
Crack-bridging:	6-mm at 400 ÷ DFT
Coverage:	≈ 0.25 kg/m ² per coat (3.5 m ² /litre)

SANIFLEX-UV

Guide for Applications:

Surface Preparation:

All surfaces shall be sound, clean free from dust, grease & oils, curing agents & mould releasing agents or other materials may affect the bond of the product and the substrates. Steel or metal surfaces should be free from rust, scale or other contaminants.

All cement-based surfaces should be saturated without standing water.

Construction joints, Upstands (Vertical/Horizontal):

Using SANIFLEX-UV as adhesive, position and fix CARO-FB 300 centrally aligned with joint's centre line. SANIFLEX-UV must be applied by roller or brush, extending 100-120mm either side of the joint's center line. Using a spatula or trowel press down and flatten CARO-FB 300 into the freshly applied SANIFLEX-UV. The motion of the spatula or trowel must be in a way to assist release of any air entrapped and ensure full wetting of the joint tape and to allow excess SANIFLEX to extrude out of the perforations on both sides of the sealing tape.

Use SANIFLEX-UV as an adhesive for overlaps of CARO-FB 300.

Minimum overlap length must be 50 mm.

Use external or internal corner pieces where necessary.

Use T and X junction pieces where necessary.

Pipe/drain penetrations:

Prepare ASO-JOINT-Sleeve wall & floor pieces. Cut open ASO-JOINT-Sleeve Floor to shape ensuring diameter size is 5 mm smaller than drain.

Brush or roller, apply SANIFLEX-UV to wall, ensuring minimum 50 mm beyond ASO-JOINT-Sleeve dimensions.

While SANIFLEX-UV still wet push ASO-JOINT-Sleeve into position and press down with spatula to flatten out. Ensure edges of ASO-JOINT-Sleeve fleece are firmly adhered to wall/floor.

Application:

Stir SANIFLEX-UV well before use. Apply SANIFLEX-UV onto prepared substrates using suitable brush, roller or airless spray equipment for large areas.

Apply the second coat after application of the first coat within 6-hours.

Cleaning:

Clean any spillages with normal water.

Packaging:

SANIFLEX-UV is supplied in 6 and 18 litre pack size.

Storage & Shelf-life:

SANIFLEX-UV shall be stored in normal conditions away from any extreme temperatures. Shelf-life is 12 months if stored properly in well-closed containers.

Health and Safety:

- SANIFLEX-UV is non-toxic, non-hazardous during handling, storage and use.
- For Ecology: Do not dispose directly to water or soil. Mix with plenty amount of sand before this to comply with the local regulations.
- Splashes on skin will be washed with water and soap.