

SANIFLEX-UNIVERSAL

ELASTOMERIC WATERPROOFING COATING

Product Description:

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

- Protection of atmospherically exposed reinforced concrete structures from attack by acid gases, chloride ions, carbon dioxide, oxygen and water.
- Decorative, protective and waterproof coating against water.
- As waterproof membrane under or above floor screeds.
- Swimming pools & flat roof coating.
- Internal & external waterproofing and damp proofing of 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.
- Can be applied on Bituminous substrates as reflective and protective coating.
- Elastomeric with excellent elongation and recovery properties.
- Decorative; improves surface appearance.

- Protects against waterborne salts (e.g., chlorides, sulphate, etc.), atmospheric gases and carbonation (1.8mm of cured film is equivalent to 150mm of concrete cover).
- UV resistant.
- Excellent barrier to carbon dioxide, chloride ions, oxygen and water.

Technical Properties:

Appearance	: Brush-able consistency.
Density at 20°C	: 1.4 kg/litre.
Solid content	: 67% by volume
Application temperature	: 5 - 35°C
Time between re-coating	: 4 – 6 hours.
Water vapor diffusion resistance	: SD0.11m at 400M DFT
Reduction in water Penetration (BS 1881 Part 111: 1983)	: 83%
Tensile strength	: 4.11 N/mm ²
Elongation (ASTM D-412-16)	: 90%
Carbon dioxide diffusion resistance equivalent thickness of air:	
Initial	: >470 meters
After 2000 hours QUV	: >470 meters
Crack-bridging	: 1.20mm
Pull-off Strength	: 1.82 N/mm ²
Consumption range	: 1 to 2 kg per SQM (minimum 2 to 3 coats)

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-Universal as an adhesive; position and fix ASO®-Joint-Tape centrally aligned with joint's center line. SANIFLEX-Universal 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 into the fresh applied SANIFLEX-Universal. 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 tapes and to allow excess SANIFLEX to extrude out of the perforations on both sides of the sealing tape. Use SANIFLEX-Universal as an adhesive for overlaps of ASO®-Joint-Tape. Minimum overlap length must be 50mm. 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 5mm smaller than drain. Brush or roller, apply SANIFLEX-Universal to wall, ensuring minimum 50mm beyond ASO®-Joint-Sleeve dimensions. While SANIFLEX-Universal is still wet push ASO®-Joint-Sleeve into position and press down with fleece are firmly adhered to wall/floor.

Cool Reflective Roof Coating (White):

- High resistance to dirt pickup for long term solar reflectivity.

- Excellent resistance to transmission of ponded water.
- Outstanding exterior durability and UV resistance.
- Long lasting, low-temperature flexibility and crack resistance for extended lifetime of the roof.
- Adhesion to multiple substrates.
- Energy saving up to 20%, reduced energy need.

Application:

Stir SANIFLEX-Universal well before use. Apply SANIFLEX-Universal onto the 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-Universal is supplied in 20 and 200 kg pack sizes.

Storage & Shelf-life:

SANIFLEX-Universal 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-Universal is non-toxic, and non-hazardous during handling, storage and use.
- For Ecology: Do not dispose directly into water or soil. Mix with a large amount of sand before disposing to comply with local regulations.
- Splashes on skin can be washed with water and soap.

