



## Technical Data Sheet

# SANIFLEX

Art.-No. 2 05004

## Liquid applied, fast setting, elastomeric waterproof membrane

### Properties:

SANIFLEX is a liquid applied, ready to use, synthetic rubber based polymer dispersion which dries to form a seamless elastomeric waterproof membrane. The waterproof membrane provides a breathable yet water proof elastomeric barrier with crack bridging properties.

- Easy to apply single component.
- Single application possible, reducing working steps.
- Seamless waterproof membrane system.
- Fast curing allows tiling on same day.
- Excellent crack bridging properties.
- Breathability allows release of trapped moisture.

SANIFLEX is approved as the waterproof component of the German ZDB-Code of Practice for the application of indoor & outdoor waterproofing and tiling systems

### Areas of application:

SANIFLEX is used to waterproof wet rooms such as shower areas, bathrooms, kitchens and sanitary areas in public and private buildings.

SANIFLEX is used to waterproof balconies and terraces beneath tiles in temperate climate zones (without longterm frost load).

SANIFLEX is suitable for fast track job requirements and overcomes the complications associated with intricate waterproofing details.

SANIFLEX is, however, not suitable for continuous water immersed conditions or as a final exposed waterproof finish.

### Technical Data:

Density:	1.5 kg/l	
	at +20° C	at +40° C
Pot life:	60 minutes	45 minutes
Tack free:	4 hours	3 hours
Trafficable:	6 hours	4 hours
Recoatible		
(open to tiling):	6 hours	4 hours
Full cure (hours):	48 hours	36 hours

### Application

temperature: min: +5° C, max: +42° C.  
 Lower temperatures extend, higher temperatures reduce curing times.

Service temperature: min: -10° C, max: +45° C

### Technical Properties:

	at +20° C	at +40° C
Tensile strength:	2.15 N/mm <sup>2</sup>	1.05 N/mm <sup>2</sup>
Elongation:	114 %	86 %

Crack Bridging: > 0.75mm at 0.8mm dft

Water vapour

transmission (Sd): 7 - 9 m

Adhesion strength: 1.5 N/mm<sup>2</sup>  
 (ASTM D 4541:2002)

Tensile strength: 9 N/mm<sup>2</sup>  
 (ASTM D 412-98a)

Elongation: 257% (ASTM D 412-98a)

Crack Bridging: 2.12mm (ASTM C 836:95)

Water permeability: Nil at 5 bar (BS EN 12390)

### Surface preparation:

All surfaces to receive SANIFLEX should be clean, sound, dry and free from grease, oils, curing membranes, laitance and any loose particles to ensure good adhesion, in accordance with the ZDB-Code of

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Practice recommendations. Surfaces should be smooth and fine textured with undulations levelled off where possible. Concrete and cementitious substrates should be at least 5 days old.

## Priming:

Where necessary to seal off dust and cohesiveness to improve the substrate, use ASO-Unigrund-GE. It is recommended that SANIFLEX be applied at a rate of 1.2 kg/m<sup>2</sup> once the primer is dry.

## Method of application:

Prior to the application of SANIFLEX, it is recommended that all construction joints, wall/floor joints, pipe inlets and outlets are sealed with ASO-JOINT-TAPE-2000. SANIFLEX is used to fix ASO-JOINT-TAPE-2000 to the wall/floor joints, including overlaps, internal/ external corner pieces and sealing of pipe inlets and outlets. Apply SANIFLEX by brush, roller or notched trowel. For a single application, use a 3 mm notched trowel to evenly spread SANIFLEX followed by smoothing with a roller.

For brush or roller applications, two coats are recommended. The first coat should dry (3 hours at 40°C) before the second coat is applied. Once the final SANIFLEX coat is dry, tiling can commence using a polymer modified tile adhesive such as UNIFIX, MONOFLEX, or UNIFIX-2K.

## Estimating & Supply:

### Packaging:

SANIFLEX is available in 20 kg and 180 kg packs.  
ASO-Unigrund is available in 10 kg, 25 kg and 180 kg packs

### Consumption:

SANIFLEX: 1.2 kg/m<sup>2</sup> (at 0.8mm dft)  
ASO-Unigrund-GE: 0.2 kg/m<sup>2</sup>

## Cleaning & Equipment Maintenance:

Unhardened SANIFLEX can be removed from tools and equipment with water. Once cured, material can only be removed mechanically.

## Storage & Shelf Life:

12 months in original, unopened palletised containers, stored in well ventilated, dry conditions at temperatures between +5° C and +30° C.

## Health & safety:

SANIFLEX is none hazardous. When in doubt refer to relevant Material Safety Data Sheet. Please refer to local environmental laws for modes of disposal.

## Important advice:

- Excess material and spillages should be immediately cleaned and disposed of in accordance with local environmental regulations.
- Protect areas not be treated with SANIFLEX.
- Protect SANIFLEX from contact with water until fully cured.
- Polymer dispersions can only fully cure when the substrate temperature is min. +3° above the rooms dew point temperature. Therefore longer curing times should be calculate when working in areas with high RH.
- Consult all valid technical datasheets of other mentioned products before beginning any applications.
- To increase pot life/working time at higher temperature store material in a cool environment above +5° C and only expose to warm temperature shortly before mixing. Additionally use of cold water can also increase pot life/working time, if water addition is necessary.
- SANIFLEX is also marketed in the US as AQUAFIN-FLEX-S.