

# TIKIFLEX 1002

## Thermoplastic Elastomer Coated Polyester Knit Fabric Waterproofing Tape

### DESCRIPTION

**TIKIFLEX 1002** is a high performance, thin joint tape designed for water tightness of expansion and construction joints.

**TIKIFLEX 1002** is special elastomer coated alkali-resistant polyester knit fabric tape suitable for use with cementitious & liquid membrane waterproofing systems.



### ADVANTAGES

- Maintains elasticity and deformability even in low temperatures ensuring long service life.
- Excellent resistant to aging and weather conditions.
- Vapour and water-resistant tape with knit fabric edging which is resistant to alkali.
- Resistant to alkalis, acids and salt solutions (for special cases, test before using).

### USES

**TIKIFLEX 1002** is used for:

- Flexible waterproofing of expansion/construction joints with medium to high loads of non-pressurised water indoors, such as domestic bathrooms, shower rooms, wet rooms, etc.
- Waterproofing of corners between adjacent walls and between walls and floors prior to laying of cementitious or liquid membrane waterproofing.

- Flexible sealing of pipes and drains in wet areas, such as bathrooms, showers, kitchens, wash areas etc.
- Flexible sealing of expansion joints in precast panels.

### APPLICATION INSTRUCTIONS

#### SURFACE PREPARATION

All surfaces should be sound, clean, and dry, free from cracks, honeycombs, oil, grease, laitance and loose particles.

Newly laid cementitious systems should be at least 28 days old with moisture content <4%.

Irregularities on the substrate must be repaired.

#### APPLICATION

**TIKIFLEX 1002** tape is used in conjunction with cementitious or liquid membrane waterproofing.

Prior to laying **TIKIFLEX 1002** tape, apply first coat of cementitious or liquid membrane waterproofing coating of at least 1mm wet film thickness and 300mm width at the corners, junctions, transitions, angles, or to the side of the joints or on the periphery surrounding the pipe projecting units through the concrete slab.

Immediately after application of waterproofing coat, unroll and apply **TIKIFLEX 1002** tape pressing it against the waterproofing coating, taking care to avoid wrinkling and air pockets until the underlying waterproofing coating totally wets the knit fabric sides of **TIKIFLEX 1002** tape.

Maintain lateral overlap of 10 cm between the tapes, the overlaps sealed using **TIKISEAL PU25** polyurethane sealant.

During application over the movement joints, **TIKIFLEX 1002** should be positioned in concave or omega shape, so that the central core of elastomer coated portion is turned down inside the joint area allowing for free movement during elongation, expansion or contraction, while the knit fabric side remains placed horizontally on the sides of the joints.

Apply second coat of waterproofing coating covering knit fabric sides of **TIKIFLEX 1002** tape.

#### IMPORTANT POINTS

- Centre line of **TIKIFLEX 1002** must be kept clean for elongation.
- It is recommended to apply PU sealant (**TIKI SEAL PU 40/TIKISEAL PU2K**) in expansion joints prior to **TIKIFLEX 1002** application.

#### PHYSICAL PROPERTIES

Property	Standard	Value
Burst pressure, max.	Internal	3.0 bar
Breaking load, longitudinal	DIN EN ISO 527-3	67 N/15 mm
Breaking load, lateral	DIN EN ISO 527-3	40 N/15 mm
Extension break, longitudinal	DIN EN ISO 527-3	29 %
Extension break, lateral	DIN EN ISO 527-3	125 %
Power absorption at 25% Elasticity, longitudinal	DIN EN ISO 527-3	0.72 N/mm
Power absorption at 50% Elasticity, lateral	DIN EN ISO 527-3	0.92 N/mm
Resistance to water pressure	DIN EN 1928 (Version B)	> 1.5 bar
UV-Resistance, min.	DIN EN ISO 4892-2	500 h

#### CHEMICAL RESISTANCE

Chemicals	Resistance after storage for 7 days at room temperature*
Hydrochloric acid 3%	+
Sulphuric acid 35%	+
Citric acid 100g/l	+
Lactic acid 5%	+
Potassium hydroxide 3%/ 20%	+ / 0
Sodium hypochlorite 0.3g/l	+
Salt water (20g/l Sea water salt)	+

\* + Resistant, 0 Weak Resistant

#### SUPPLY

**TIKIFLEX 1002** is supplied 50 meters rolls (Alternative make up on request).

Colour	Light Grey
Total width / Coating width	120mm / 70mm (Additional widths upon request)
Total thickness (approx..)	0.56 mm
Material weight (approx.)	35 g / m
Resistance to temperature min. / max.	- 30°C / + 90°C

#### STORAGE

**TIKIFLEX 1002** must be stored above 5°C. Store under the shed & protect from extremes of temperature, heat, direct sunlight. It has a shelf life of 12 months when stored under the covered shed in sealed condition. If packaging film has been opened, apply the material within 2 months.

#### SAFETY PRECAUTIONS

As with all synthetic products, care should be taken during use and storage of **TIKIFLEX 1002**.

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