



SikaBond®-TB

One Part Polyurethane Adhesive for Bonding Sikaflex PUR Band Strip

Technical Data Sheet

DESCRIPTION

SikaBond-TB is a one part gun applied polyurethane adhesive.

USES

SikaBond-TB is suitable for bonding **Sikaflex PUR Band Strip** to concrete substrates.

ADVANTAGES

- * One part ready for use.
- * Elastic.
- * Can be used as a substrate leveller.
- * Excellent adhesion.
- * Easy to apply.
- * No mixing.

Technical Data (typical)

Colour:	Grey (other colours to order)
Density:	1.3 kg/litre
Movement Accommodation Factor (MAF):	25%
Service temperature range:	-40°C to +70°C
Application temperature:	+5°C min, +40°C max (Substrate and ambient)
Tack free time:	45 mins (+23°C / 50% RH)
Tensile strength at 100% elongation:	0.2 N/mm ²
All above values are approximate.	



SURFACE PREPARATION

The concrete must be dry, free from oil, fat and dust. Prior to installation of the tapes paint layers and coatings must be tested for sufficient adhesion and compatibility with **SikaBond-TB** (see separate technical data sheet).

APPLICATION

No pre-treating of the joint tape is required. If necessary remove contaminations (eg dirt).

Apply **Sika Primer 3** to concrete substrate. Maximum substrate moisture content must not exceed 8%.

SikaBond-TB is applied in small stripes in a thickness of approx 3-5 mm on the joint arrises over the expansion zone (see table) by sealant gun; the joint tape is laid onto the fresh **SikaBond-TB** and pressed on lightly.

Butt joints, overlapping areas and cross sections will be connected and sealed with **SikaBond-TB**, no primer required.

At cross sections the vertical tapes should run through; side tapes are but-jointed. At the crossing points and butt joints the expansion zones must not be impaired in any way. If necessary these expansion zones must be underlaid with stripes of separating paper or polyethylene membrane (Foil). Do not fix the expansion zone of the Elastomer-joint tape at the lower end in order to ensure a pressure balance.

The composition of a soft, slightly flexible joint-overlapping with **SikaBond-TB** is very important for the function of the joint sealing with **Sikaflex PUR Tape System**. **Sikaflex PUR Tape System** and **SikaBond-TB** are supplied in the same colour shade, so that the butt joints, crossing points as well as overlapping areas are almost invisible when installed correctly.

IMPORTANT CONSIDERATIONS

- * **SikaBond-TB** should not be used for structural glazing.
- * **SikaBond-TB** should be used with care whe over sealing joints that were previously filled with silicone sealants. All silicone residue must be removed.
- * Do not use **SikaBond-TB** in contact with materials containing bitumen, pitch or silicone.

CLEANING

Clean tools immediately with **Sika Thinner C**.

PACKAGING

Refer to latest price list.

CONSUMPTION

Theoretical consumption of **SikaBond TB** per 600cc sausage (without wastage):

$$\text{Length of joint (m)} = \frac{600}{\text{Adhesive area (a) x thickness (mm)}}$$

$$\text{Litres/metre run of joint} = \frac{\text{Adhesive area (a) x thickness (mm)}}{1000}$$

$$\text{No of cartridges / sausages required for joint} = \frac{\text{Adhesive area (a) x thickness (mm) x length (m)}}{\text{volume of cartridge/sausage (ml)}}$$

STORAGE AND SHELF LIFE

9 months from date of production if stored in cool, dry conditions (@ +10°C to +25°C).

Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

Important Note

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

Please consult our Technical Sales Department for further information

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