



SikaBond®-T1

One Part Polyurethane Adhesive

Technical Data Sheet

DESCRIPTION

SikaBond-T1 is a one part gun grade high performance polyurethane elastic adhesive and sealing compound.

USES

SikaBond-T1 is suitable for

- * Skirting boards, wood panelling, mouldings, acoustic ceiling tiles.
- * Roof tiles, cover flashings, gutters.
- * Treatment of internal and external cracks.
- * Flexible draught proofing.
- * Gaskets for ducts in wall and floor openings.
- * Flanges, crimping and interlocking surfaces.
- * Aluminium fabrication.

ADVANTAGES

- * Fast cure rate.
- * Good weathering and water resistance.
- * Can be painted over with water, oil and rubber based paints.
- * Resistant to shock and vibration.
- * Non-corrosive.
- * Non-sag on vertical joints up to 40 mm width.

Technical Data (typical)

Colour:	White, black, grey, beige
Density:	1.15-1.20 kg/litre
Service temperature range:	-40°C to +80°C
Cure rate:	3.0 mm/day (+23°C / 50% RH)
Application temperature:	+5°C min, +35°C max (Substrate and ambient)
Shore A hardness:	40 after 28 days (+25°C / 50% RH)
Tack free time:	1 to 2 hours (+23°C / 50% RH)
Elongation at break:	> 50%
Tensile strength at break:	1.2 N/mm ²

All above values are approximate.

SURFACE PREPARATION

All surfaces must be sound, clean, dry and free from any surface contaminants.

All loose particles, paint, laitance, rust and other poorly adhering materials should be removed with a rotary mechanical wire brush, grinding or grit blasting followed by blowing out with oil free compressed air. Use epoxy mortars for making good spalled or damaged joints.

Iron and steel must be protected by an anti-corrosion primer such as **Icosit® EG1** prior to joint sealing.

PRIMING

Good adhesion, without primers, can be obtained to all cement based materials, bricks, blocks, ceramics, plaster, wood, anodised aluminium, steel and some plastics.

On some substrates or for heavy duty uses, a primer may be advisable.

For the selection of the suitable primer, please consult the **Sikaflex** Primer Chart. Allow primer to become touch dry before applying sealant within minimum and maximum waiting times. When using Sika Primer 3 on moist substrate, maximum substrate moisture content must not exceed 8% by wt.

APPLICATION

- * Minimum application temperature 5°C. For easier use store **SikaBond-T1** at temperatures between 10°C and 20°C.
- * Break inner seal of extrusion end of cartridge. Fix nozzle and cut tip to suit. Install cartridge into a conventional skeleton gun.
- * For adhesive purposes, apply in beads or strips on the prepared surface, tapping or pressing the part to be adhered against the substrate. The size of the bead depends on the surface texture. Minimum bead size recommended 3 cm³.
- * When sealing is completed, joints may be smoothed with soapy water. When masking sides of joint for neatness, remove tape before the sealant cures.
- * Always allow surface to be exposed to atmospheric moisture to ensure curing.

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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IMPORTANT CONSIDERATIONS

- * **SikaBond-T1** should not be used for structural glazing.
- * Bonded elements may require additional holding or support during curing period.
- * **SikaBond-T1** may be overpainted. However some coatings may crack if movement occurs, preliminary tests recommended.
- * Do not use **SikaBond-T1** in contact with materials containing bitumen or pitch.

CLEANING

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

PACKAGING

Refer to latest price list.

CONSUMPTION

One 310 cc cartridge of **SikaBond-T1** will produce a strip of sealant depending on the diameter as follows: (approx per cartridge) 3mm diameter - 43 metres, 4mm diameter - 24 metres, 5 mm diameter - 15 metres, 6 mm diameter - 10 metres.

STORAGE AND SHELF LIFE

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