

PRODUCT DATA SHEET

SikaBond® T-2

DESCRIPTION

SikaBond® T-2 is a 1-component, solvent-free high tack adhesive with very high load capacity.

USES

SikaBond® T-2 is designed for the indoor and outdoor bonding of window sills, thresholds, stair steps, skirting boards, base boards, crash protection boards, covering boards, sign-boards and prefabricated elements. SikaBond® T-2 adheres well to concrete, bricks, stones, tiles, ceramic, wood, aluminum, steel, plaster, hard PVC, GFRP and PU.

CHARACTERISTICS / ADVANTAGES

- Powerful initial tack
- Fixing without tapes, nails or screws
- Good adhesion to many different substrates
- High load capacity
- Avoids galvanic corrosion
- Fast curing
- Elastic, sound-dampening properties
- Vibration and shock resistant
- High resistance to weathering
- The adhesive can be sanded
- Very low emissions

ENVIRONMENTAL INFORMATION

- EMICODE EC1^{PLUS} R
- LEED® EQc 4.1
- SCAQMD, Rule 1168
- BAAQMD, Reg. 8, Rule 51

PRODUCT INFORMATION

Composition	<i>i</i> -Cure Technology polyurethane	
Packaging	300 ml (390 g) cartridge, 12 cartridges per box 600 ml (780 g) foil pack, 20 foil packs per box	
Colour	White, black	
Shelf Life	SikaBond® T-2 has a shelf life of 12 months from the date of production, if it is stored properly in undamaged, original, sealed packaging, and if the storage conditions are met.	
Storage Conditions	SikaBond® T-2 shall be stored in dry conditions, protected from direct sunlight and at temperatures between +5 °C and +25 °C.	
Density	1.30 kg/l	(ISO 1183-1)

TECHNICAL INFORMATION

Shore A Hardness	~55 (after 28 days)	(ISO 868)
Tensile Strength	~2.5 N/mm ²	(ISO 37)

Elongation at Break	400% approx.	(ISO 37)
Lap Shear Strength	~2.0 N/mm ² , 1 mm adhesive thickness	(EN 14293)
Chemical Resistance	<p>SikaBond® T-2 is permanently resistant against water, most cleaning solutions and detergents, sea water, lime water, weak acids and lyes, and domestic sewage.</p> <p>SikaBond® T-2 is temporarily resistant against mineral, vegetable and animal oils and fats, as well as fuels.</p> <p>SikaBond® T-2 is not or is only temporarily resistant to organic solvents (ketones, esters, aromatics) and alcohols, lacquer and paint thinners, and strong acids and lyes.</p> <p>For specific information please contact Sika technical service.</p>	
Service Temperature	-40 °C to +90 °C	

APPLICATION INFORMATION

Consumption	Beaded / Cordon application: 44 ml approx. per linear meter (with triangular nozzle)	
Sagging	Very low	(ISO 7930)
Ambient Air Temperature	+5 °C to +35 °C, min. 3 °C above dew point temperature	
Substrate Temperature	+5 °C to +40 °C	
Curing Rate	~3.5 mm/24 hours (23 °C / 50 % r.h.)	(CQP 049-2)
Skin Time	~40 minutes (23 °C / 50 % r.h.)	(CQP 019-1)

APPLICATION INSTRUCTIONS

For the application of SikaBond® T-2 all standard construction guidelines apply.

SUBSTRATE PREPARATION

The substrate must be clean, dry, sound and homogeneous, free from oils, grease, dust and loose or friable particles. Paint, cement laitance and other poorly adhering contaminants must be removed. SikaBond® T-2 adheres without primers and/or activators. However, for optimum adhesion and critical, high performance applications, such as on multi-story buildings, highly stressed joints, extreme weather exposure or water immersion, the following priming and/or pre-treatment procedures shall be followed:

Non-porous substrates

Aluminium, anodised aluminium, stainless steel, galvanised steel, powder coated metals or glazed tiles have to be cleaned and pre-treated using Sika® Aktivator-205, wiped on with a clean towel. After allowing a flash-off time of > 15 minutes (< 6 hours) apply Sika® Primer-3 N with a brush. before bonding, allow a further flash-off time of > 30 minutes (< 8 hours). PVC has to be primed with Sika® Primer-215. Allow a further flash-off time of > 30 minutes (< 8 hours) before bonding.

Porous substrates

Concrete, aerated concrete and cement based renders, mortars and bricks shall be primed using Sika® Primer-3 N applied with a brush. Before sealing, allow a flash-off time of > 30 minutes (< 8 hours).

For more detailed advice and instructions please contact our Technical Service Department.

Note: Primers are adhesion promoters. They are neither a substitute for the correct cleaning of a surface, nor do they improve the strength of the surface significantly.

APPLICATION METHOD / TOOLS

After the necessary substrate preparation, insert a foil pack or cartridge into the sealant gun and extrude SikaBond® T-2 into the joint making sure that it comes into full contact with the sides of the joint and avoids any air entrapment. Apply SikaBond® T-2 in triangle shaped cordons approximately 10 mm high and 8 mm wide in intervals of a few centimetres each. If necessary, use a notched trowel to distribute SikaBond® T-2 evenly. Press or tap bonded parts together firmly to ensure good adhesion before a skin occurs. The recommended adhesive layer thickness (depending on surface evenness) is 1–5 mm. Fresh, uncured adhesive remaining on the surface must be removed immediately. An incorrectly positioned element can easily be unfastened and repositioned during the first few minutes after application.

Final strength will be obtained after complete curing of SikaBond® T-2.

CLEANING OF TOOLS

Clean all tools and application equipment immediately after use with Sika® Remover-208 and/or Sika® Top-Clean T. Once cured, residual material can only be removed mechanically.

FURTHER DOCUMENTS

- Safety Data Sheet
- Pre-treatment Chart Sealing and Bonding

IMPORTANT CONSIDERATIONS

- For good workability, the adhesive temperature shall be $\geq +15$ °C.
- For proper curing of the adhesive, sufficient ambient humidity / moisture is necessary.
- Trials shall be carried out to test for overpaint ability and paint compatibility. When overcoating Sika-Bond® T-2, compatibility of coatings must be tested individually.
- Colour variations may occur due to exposure to chemicals, high temperatures and/or UV-radiation (especially with the colour shade white). However, a change in colour is purely of aesthetic nature and does not adversely influence the technical performance or durability of the product.
- Do not use on polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE / Teflon), and certain plasticized synthetic materials (pre-trials shall be carried out or contact Sika technical service).
- Before using SikaBond® T-2 on natural stone, please contact Sika technical service for advice.
- Do not expose uncured SikaBond® T-2 to alcohol containing products as they may interfere with the curing reaction.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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Product Data Sheet
SikaBond® T-2
January 2019, Version 01.01
020513010000000029

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

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 accordance with Sika's recommendations. 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 user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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