



SikaBond® T-2

High viscous, thixotropic, high strength elastic adhesive

Product Description / Uses	SikaBond® T-2 is a high viscous one part, elastic adhesive used as high strength construction adhesive. It is suitable for indoor and outdoor bonding of window sills, thresholds, stair steps, skirting boards, base boards, crash protection boards, covering boards, sign-boards, prefabricated elements etc. SikaBond® T-2 has good adhesion on concrete, bricks, stones, tiles, ceramic, wood, aluminium, steel, plaster, hard PVC, GFRP, PU etc.								
Characteristics / Advantages	■ 1-part, ready to use ■ Powerful initial grab (green strength) ■ Fast curing ■ Good adhesion to many different substrates ■ Elastic, sound-dampening ■ Reduces vibrations (vibration- and shock resistant) ■ Compensation of substrate unevenness ■ High weathering- and ageing resistance ■ May be sanded								
Environmental Information									
Specific Characteristics	■ Solvent free ■ Odourless ■ Avoids galvanic corrosion ■ Recyclable aluminium packaging (600 ml sausages and 300 ml cartridges)								
Specific Approvals/Standards	EMICODE EC 1^{PLUS} R, very low emission 								
Specific Ratings	<table><tr><td>LEED® EQc 4.1</td><td>SCAQMD, Rule 1168</td><td>BAAQMD, Reg. 8, Rule 51</td></tr><tr><td>passes</td><td>passes</td><td>passes</td></tr></table>	LEED® EQc 4.1	SCAQMD, Rule 1168	BAAQMD, Reg. 8, Rule 51	passes	passes	passes		
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Product Data

Colour	White, Black
Packaging	300 ml cartridge / 390 g (12 cartridges per box) 600 ml foil pack / 780 g (20 foil packs per box)
Storage Conditions / Shelf Life	12 months from date of production if stored in undamaged original sealed containers, in dry conditions and protected from direct sunlight at temperatures between +10°C and +25°C.

Technical Data

Chemical Base	i-Cure® technology polyurethane, moisture curing
Density	1.30 kg/l approx. ¹ (ISO 1183-1)
Skinning- / Laying Time	40 minutes approx. ¹
Curing Rate	3.5 mm / 24h approx. ¹
Sag Flow	High viscous (thixotropic)
Service Temperature	-40°C to +90°C (temporary up to +120°C)
Lap Shear Strength	2.0 N/mm ² approx. ¹ , 1 mm adhesive thickness (EN 14293)
Tensile Strength	2.5 N/mm ² approx. ¹ (ISO 37)
Shore A Hardness	55 after 28 days approx. ¹ (ISO 868)
Elongation at Break	400% approx. ¹ (ISO 37)
Long term design strength*	0.15 N/mm ² (Load-bearing capacity calculation value) *Design value is evaluated through practical test

Resistance

Chemical Resistance	Permanently against: - Water - Most cleaning solutions and detergents - Sea water - Lime water - Weak acids and lyes - Domestic sewage Temporarily against: - Mineral- vegetable and animal oils and fats - Fuels Not or only short-term against: - Organic solvents (ketones, esters, aromatics) and alcohols - Lacquer and paint thinners - Strong acids and lyes For detailed information contact our Technical Service.
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¹ 23°C / 50% r.h.

System Information

Application Details

Consumption	Cordon application: 44 ml approx. per running meter (with triangular nozzle).
Substrate Quality	Clean and dry, homogeneous, even, and free from grease, dust and loose particles. Paint, laitance and other poorly adhering particles must be removed. Standard construction rules must be observed.
Substrate Preparation	SikaBond® T-2 generally has good adhesion to most clean, sound substrates. For optimum adhesion and critical, high performance applications e.g. applications with high static load or in case of extreme weather exposure primers and cleaners must be used. In case of doubt apply product in test area first. Non porous substrates: E.g. metals, powder coatings etc. have to be cleaned with a fine abrasive pad and Sika® Aktivator-205 by using a clean towel / cloth. After a flash off time of at least 15 min, apply Sika® Primer-3 N by using a brush. Before bonding allow a flash off time of at least 30 min. (max. 8 hours). For PVC use Sika® Primer-215. Before bonding allow a flash off time of at least 30 min. (max. 8 hours). Porous substrates: E.g. concrete, aerated concrete and cementitious renders, mortars, brick, etc. have to be primed with Sika® Primer-3 N by using a brush. Before bonding allow a flash off time of at least 30 min. (max. 8 hours). Important note: Primers are only adhesion promoters. They neither substitute for the correct cleaning of the surface nor improve their strength significantly. Primers improve long term performance. For further information refer to the Sika® Pre-treatment Chart Sealing & Bonding.

Application Conditions / Limitations

Substrate Temperature	During laying and until SikaBond® T-2 has fully cured, substrate temperature must be > +5°C.
Ambient Temperature	+5°C min. / +35°C max.
Substrate Moisture Content	Dry
Relative Air Humidity	Between 30% and 90%

Application Instructions

Application Method / Tools	Use hand- or air-pressure gun. Apply a triangular shaped cordon of adhesive (~ 10 mm high and ~ 8 mm wide) to the prepared substrate. If required distribute evenly with a notched trowel. Press or tap part to be bonded well onto the adhesive. If necessary use Sika® Tack-Panel Fixing Tape to keep in place the bonding part. Adhesive layer thickness depending on surface evenness 1 - 5 mm. Fresh, uncured adhesive remaining on the surface must be removed immediately with a clean cloth and if necessary cleaned with Sika® Thinner C
Cleaning of Tools	Clean all tools and application equipment with Sika® Thinner C immediately after use. Hardened / cured material can only be removed mechanically.
Further Documents available	■ Pre-treatment Chart Sealing & Bonding ■ Material Safety Data Sheet (MSDS)

Notes on Application / Limitations	For better workability the adhesive temperature must be $> +15^{\circ}\text{C}$. For the proper curing of the adhesive sufficient ambient moisture is necessary. Do not use on PE, PP, Teflon and certain plasticised synthetic materials. Bonding natural stone require pre-test regarding adhesion and influence to material. Do not expose uncured SikaBond® T-2 to alcohol which is often within thinners, solvents and cleaning agents as they may interfere with the curing reaction.
Value Base	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.
Health and Safety Information	For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet 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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