

**Product Data Sheet**  
Edition 26/08/2005  
Identification no:  
02 05 02 01 001 0 000001  
SikaBond®-T2

## SikaBond®-T2

High viscous (thixotropic), high strength elastic adhesive

### Product Description

SikaBond®-T2 is a one part, elastic adhesive.

### Uses

- SikaBond®-T2 is 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®-T2 has a strong 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
- No need to grout the bonded parts
- Strong adhesion to many different substrates
- Elastic, sound-dampening adhesive
- Reduces vibrations (vibration- and shock resistant)
- Compensation of substrate unevenness
- Non-corrosive and avoids galvanic corrosion
- High weathering- and ageing resistance
- Adhesive can be sanded

### Tests

#### Approval / Standards

Bonded part instant holding capacity (C.E.B.T.P. Report N° 2352-7-270).  
Acoustic insulation to piping vibration (C.E.B.T.P. Report N° 713-970-0011).

### Product Data

#### Form

**Colour** White

**Packaging** 310 ml cartridges (12 cartridges per box)  
600 ml sausages (20 sausages per box)

#### Storage

#### 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



<b>Chemical Base</b>	1-part Polyurethane, moisture curing	
<b>Density</b>	~ 1.21 kg/l	(DIN 53 479)
<b>Skinning- / Laying Time</b>	~ 30-40 minutes (+23 °C / 50% r.h.)	
<b>Curing Rate</b>	~ 4 mm / 24h (+23 °C / 50% r.h.)	
<b>Sag Flow</b>	High viscous (thixotropic)	
<b>Service Temperature</b>	-40 °C to +90 °C (temporary up to +120 °C)	

### Mechanical / Physical Properties

<b>Shear Strength</b>	2 N/mm <sup>2</sup> ; 1 mm adhesive thickness (+23 °C / 50% r.h.)	(DIN 52 283)
<b>Tensile Strength</b>	2.5 N/mm <sup>2</sup> (+23 °C / 50% r.h.)	(DIN 53 504)
<b>Load-Bearing Capacity</b>	0.15 N/mm <sup>2</sup> (for calculation)	
<b>Shore A Hardness</b>	~ 55 (after 28 days)	(DIN 53 505)
<b>Elongation at Break</b>	~ 300% (+23 °C / 50% r.h.)	(DIN 53 504)

### Resistance

#### Chemical Resistance

Permanent against:

- Water
- Most cleaning solutions and detergents
- Sea water
- Lime water
- Weak acids and lyes
- Domestic sewage

Temporary against:

- Mineral- vegetable and animal oils and fats
- Fuels

Not or only short-term against:

- Organic solvents (kelones, esters, aromatics) and alcohol
- Lacquer and paint thinners
- Strong acids and lyes

For detailed information contact our Technical Service.

### System Information

#### Application Details

<b>Consumption</b>	Cordon application: ~ 44 ml per running meter (with triangular nozzle).
<b>Substrate Quality</b>	Clean and dry, homogeneous, even, free from grease, dust and loose particles. Paint, laitance and other poorly adhering particles must be removed.  Standard construction rules must be observed.

<b>Substrate Preparation</b>	<p>By frequent contact with water or constant high relative air humidity use the following Primers:</p> <ul style="list-style-type: none"> <li>- SikaBond® Primer-2 on: Concrete, granite, brick, wood, GRP, ABS and hard PVC</li> <li>- Sika® Primer-3 on: Concrete, granite, bricks, wood and epoxy-mortars</li> <li>- Sika® Cleaner and Sika® Primer-35 or Sika® Tack-Panel Primer on: Aluminium, copper, steel and galvanized steel</li> <li>- Sika® Cleaner and Sika® Primer-215 on: Hard-PV</li> </ul> <p>For detailed instructions consult the Product Data Sheet for primers or contact our Technical Service.</p>
------------------------------	--

**Application Conditions / Limitations**

<b>Substrate Temperature</b>	During laying and until SikaBond®-T2 has fully cured substrate temperature must be > +5°C.
<b>Ambient Temperature</b>	+5°C min. / +35°C max.
<b>Substrate Humidity</b>	Dry
<b>Relative Air Humidity</b>	Between 30% and 90%

**Application Instructions**

<b>Application Method / Tools</b>	<p>Use hand- or air-pressure gun.</p> <p>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.</p> <p>Press or tap part to be bonded well onto the adhesive.</p> <p>If necessary use Sika® Tack-Panel Fixing Tape to keep in place.</p> <p>Adhesive layer thickness depending on surface evenness 1 - 5 mm.</p> <p>Fresh, uncured adhesive remaining on the surface must be removed immediately with a clean cloth and if necessary cleaned with Sika® Remover-208 or Sika® Handclean cloths.</p>
<b>Cleaning of Tools</b>	Clean all tools and application equipment with Sika® Remover-208 immediately after use. Hardened / cured material can only be removed mechanically.
<b>Potlife</b>	~ 30 - 45 minutes
<b>Notes on Application / Limitations</b>	<p>For better workability the adhesive temperature must be +15°C.</p> <p>For the proper curing of the adhesive sufficient ambient moisture is necessary.</p> <p>Do not use on PE, PP, Teflon and certain plastized synthetic materials (carry out pre-trials or contact our Technical Service).</p>
<b>Notes</b>	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.
<b>Local Restrictions</b>	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

<b>Protective Measures</b>	To avoid rare allergic reactions, we recommend the use of protective gloves. Change soiled work clothes and wash hands before breaks and after finishing work.  Local regulations as well as health and safety advice on packaging labels must be observed.
<b>Ecology</b>	Refer to Material Safety Data Sheet.
<b>Transportation Class</b>	Refer to Material Safety Data Sheet.
<b>Important Notes</b>	Residues of material must be removed according to local regulations. Fully cured material can be disposed of as household waste under agreement with the responsible local authorities.  Detailed health and safety information as well as detailed precautionary measures e.g. physical, toxicological and ecological data can be obtained from the material safety data sheet.
<b>Toxicity</b>	Refer to Material Safety Data Sheet.

## 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.



Sika Limited  
 Watchmead  
 Welwyn Garden City  
 Hertfordshire  
 AL7 1BQ  
 United Kingdom

Phone +44 1707 394444  
 Telefax +44 1707 329129  
[www.sika.co.uk](http://www.sika.co.uk), email: [sales@uk.sika.com](mailto:sales@uk.sika.com)

