

Product Data Sheet
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SikaBond®-T2

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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, threshold, 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
- 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

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

Chemical Base

1-part Polyurethane, moisture curing

Construction



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| Density | ~ 1.21 kg/l | (According to DIN 53 479) |
| Skinning- / Laying Time | ~ 30-40 minutes (+23°C / 50% r.h.) | |
| Curing Rate | ~ 4 mm / 24h (+23°C / 50% r.h.) | |
| Sag Flow | High viscous (thixotropic) | |
| Service Temperature | -40°C to +90°C (temporary up to +120°C) | |

Mechanical / Physical Properties

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| Shear Strength | 2.0 N/mm ² ; 1 mm adhesive thickness (+23°C / 50% r.h.) | (According to DIN 52 283) |
| Tensile Strength | 2.5 N/mm ² (+23°C / 50% r.h.) | (According to DIN 53 504) |
| Load-Bearing Capacity | 0.15 N/mm ² (for calculation) | |
| Shore A Hardness | ~ 55 (after 28 days) | (According to DIN 53 505) |
| Elongation at Break | ~ 300% (+23°C / 50% r.h.) | (According to 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

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| Consumption | Cordon application: ~ 44 ml per running meter (with triangular nozzle). |
| Substrate Quality | 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. |

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| Substrate Preparation | <p>Non porous substrates: E.g. metals, powder coatings etc. have to be cleaned with a fine abrasive pad and SikaCleaner-205 by using a clean towel / cloth. After a flash off time of at least 15 min, apply SikaPrimer-3 N by using a brush. Before bonding allow a flash off time of at least 15 min. (max. 8 hrs.). For PVC use SikaPrimer-215. Before bonding allow a flash off time of at least 15 min. (max. 8 hrs.).</p> <p>Porous substrates: E.g. concrete, aerated concrete and cementitious renders, mortars, brick, etc. have to be primed with SikaPrimer-3 N by using a brush. Before bonding allow a flash off time of at least 15 min. (max. 8 hrs.).</p> <p>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® Primer table.</p> |
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Application Conditions / Limitations

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| Substrate Temperature | During laying and until SikaBond®-T2 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

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| Application Method / Tools | <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® TopClean-T.</p> |
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| Cleaning of Tools | Clean all tools and application equipment with Sika® Remover-208 / Sika® TopClean-T immediately after use. Hardened / cured material can only be removed mechanically. |
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| Notes on Application / Limitations | <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> <p>Do not mix with or expose uncured SikaBond®-T2 to substances that may react with isocyanates, especially alcohols which are often components within e.g. thinners, solvents, cleaning agents and formwork releasing compounds. Such contact could interfere or prevent the cross linking curing reaction of the material.</p> |
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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.

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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