

PROVISIONAL PRODUCT DATA SHEET

Sika MaxTack®

HIGH STRENGTH ADHESIVE WITH HIGH INITIAL TACK

DESCRIPTION

Sika MaxTack® is a 1-component, solvent-free high tack adhesive with high initial tack.

USES

Sika MaxTack® is designed for the indoor and sheltered outdoor bonding of building materials such as skirting boards, wood frames, panels, terracotta tiles, anodised aluminum, hard PVC profiles, polystyrene mouldings and panels, polystyrene ceiling tiles and wood mouldings.

Sika MaxTack® adheres well to various porous materials such as concrete, mortar, fiber cement, wood and the painted substrates of decorative pieces.

CHARACTERISTICS / ADVANTAGES

- High initial tack
- Fixing without tapes, nails or screws
- Good adhesion on many substrates
- Good workability
- Water-based
- Over-paintable by emulsion waterborne paints
- For interior use on wall and ceiling
- For sheltered outdoor use on wall (canopy, balcony)

PRODUCT INFORMATION

Chemical base	Acrylic dispersion
Packaging	280 ml cartridge, 12 cartridges per box 100 g foil pack, 24 foil packs per box 280 g pressurized can, 12 pressurized cans per box
Colour	Off-white
Shelf life	Sika MaxTack® has a shelf life of 18 months from the date of production, if stored properly in undamaged, original, sealed packaging, and if the storage conditions are met.
Storage conditions	Sika MaxTack® shall be stored in dry conditions, protected from direct sunlight and at temperatures between +5 °C and +25 °C.
Density	~1.40 kg/l (ISO 1183-1)

TECHNICAL INFORMATION

Shore A Hardness	~85 (after 28 d) (ISO 868)
Shear Strength	~3.0 N/mm ² , 0.5 mm adhesive thickness (EN 1465)

APPLICATION INFORMATION

Consumption	Using a nozzle with a 5 mm diameter opening, bead yield is ~14 m in length per 280 ml cartridge (~20 ml per linear meter).	
Sagging	Very low	(ISO 7930)
Ambient Air Temperature	+5 °C min. / +35 °C max.	
Substrate Temperature	+5 °C min. / +35 °C max., min. 3 °C above dew point temperature	
Curing Rate	~6 mm/24 h (23 °C / 50 % r.h.)	(CQP 049-2)
Skin time	~30 min (23 °C / 50 % r.h.)	(CQP 019-1)

APPLICATION INSTRUCTIONS

For the application of Sika MaxTack® all generally accepted rules of building and construction 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. Sika MaxTack® adheres without primers and/or activators.

Non-porous substrates

Aluminium, anodised aluminium, stainless steel, PVC, 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. Before sealing, allow a flash-off time of > 15 minutes (< 6 hours). Other metals, such as copper, brass and titanium-zinc, also have to be cleaned and pre-treated using Sika® Aktivator-205, wiped on with a clean towel. After the necessary flash-off time, use a brush to apply Sika® Primer-3 N and allow a further flash-off time of > 30 minutes (< 8 hours) before sealing the joints.

Porous substrates

Wood has to be sanded, concrete and mortar have to be scrubbed and sanded to remove laitance. Clean with an industrial vacuum.

For more detailed advice and instructions please contact Sika Technical Service.

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, apply Sika MaxTack® in round shaped cordons with 5 mm in diameters in intervals of a few centimetres each. If necessary, use a notched trowel to distribute Sika MaxTack® evenly. Use hand pressure only to set the object to be bonded into position before a skin occurs. An incorrectly positioned object can easily be unfastened and repositioned during the first few minutes after application. If necessary, use adhesive tapes, wedges, or props to hold the assembled objects together during

the initial curing hours. The recommended adhesive layer thickness (depending on surface evenness) is < 3 mm. For immediate fixing, the thickness of the bonding adhesive layer must be ≤ 1 mm.

Fresh, uncured adhesive remaining on the surface must be removed immediately. Final strength will be reached after complete curing of Sika MaxTack®, i.e. after 24 to 48 hours at +23 °C, depending on the substrate.

CLEANING OF TOOLS

Clean all tools and application equipment immediately after use with water or Sika® TopClean T. Once cured, residual material can only be removed mechanically.

FURTHER DOCUMENTS

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

LIMITATIONS

- For good workability, the adhesive temperature shall be +20 °C.
- Before bonding, check adhesion and resistance of paints and coatings by carrying out a trail.
- Sika MaxTack® can be overpainted with most conventional water-based coating and paint systems. However, paints must first be tested to ensure compatibility by carrying out preliminary trials (e.g. according to ISO technical paper: Paintability and Paint Compatibility of Sealants). The best over-painting results are obtained when the sealant is allowed to fully cure first. Note: non-flexible paint systems may impair the elasticity of the sealant and lead to cracking of the paint film.
- Colour variations may occur due to exposure to chemicals, high temperatures and/or UV-radiation (especially with white colour shades). However, a change in colour is purely of aesthetic nature and does not adversely influence the technical performance or durability of the product.
- For good bonding, one of the two substrates must be porous.
- Do not use Sika MaxTack® on bituminous substrates, natural rubber, EPDM rubber or on any building materials which might bleed oils, plasticizers or solvents that could attack the adhesive.

- Do not use on polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE / Teflon), and certain plasticized synthetic materials (pre-trials shall be carried out or contact our Sika Technical Service).
- Do not use outside on easily corroding substrates such as blank steel or iron.

BASIS OF PRODUCT DATA

All technical data stated in this 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 declared data and recommended uses for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data and uses.

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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