PRODUCT DATA SHEET

Sika MaxTack®

High strength adhesive with high initial tack

PRODUCT 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 an emulsion waterborne paint
- For interior use on wall and ceiling
- For sheltered outdoor use on wall (canopy, balcony)

PRODUCT INFORMATION

Chemical Base	1-Component water-based dispersion	
Packaging	280 ml cartridge, 12 cartridges per box	
Colour	Off-white	
Shelf Life	Sika MaxTack® has a shelf life of 18 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	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 approx.	(ISO 1183-1)

TECHNICAL INFORMATION

Shore A Hardness	85 approx. (after 28 days)	(ISO 868)
Shear Strength	3.0 N/mm² approx., 1mm adhesive thickness	(EN 1465)
Service Temperature	−15 °C to +60 °C	

APPLICATION INFORMATION

Consumption	Using a nozzle with a 5 mm diameter, bead yield is approx. 14 m in length per 280 ml cartridge (approx. 20 ml per linear meter).	
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 +35 °C	
Curing Rate	6 mm/24 hours approx. (23 °C / 50% r.h.)	(CQP 049-2)
Skin Time	30 minutes approx. (23 °C / 50% r.h.)	(CQP 019-1)

APPLICATION INSTRUCTIONS

For the application of Sika MaxTack® 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. 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 our Technical Service Department.

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. Press or tap bonded parts together firmly to ensure good adhesion before a skin occurs. An incorrectly positioned element 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 elements 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 obtained after complete curing of Sika MaxTack®.

CLEANING OF TOOLS

Clean all tools and application equipment immediately after use with water. 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.
- For proper curing of the adhesive, sufficient ambient humidity / moisture is necessary.
- Application during high temperature changes is not recommended (movements during the curing).
- Before bonding, check adhesion and resistance of paints and coatings by carrying out a trail.
- Trials shall be carried out to test for overpaint ability and paint compatibility. When overcoating Sika MaxTack®, compatibility of coatings must be tested individually.
- 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 sealant.
- Do not use outside on easily corroding substrates such as blank steel or iron.
- 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 Technical Service Department).
- Do not use Sika MaxTack® as glass sealer, in floor joints, in sanitary joints and structural bonding.
- Do not use Sika MaxTack® for joints under water pressure or for permanent water immersion.

VALUE BASE

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

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains 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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