

Sika MaxTack®

Water based high strength, high grab adhesive

Product Description Sika MaxTack® is a one part high strength, copolymer dispersion adhesive.

Uses Sika MaxTack® is a multipurpose high strength, high initial grab adhesive for bonding building materials indoor and in sheltered outdoor areas.

- Sika MaxTack® has strong adhesion on various porous materials such as concrete, mortar, fiber cement, wood and painted substrates or decorative pieces.
- Sika MaxTack® is suitable to bond decorative parts as skirting board, wood frame, panel, terra cotta tile, anodised aluminium, hard PVC profiles, polystyrene moulding and panel, polystyrene ceiling tile, wood stick and moulding.

For other substrates and specific paints: carry out pre-trials.

- Characteristics/ Advantages**
- Good workability
 - Powerful grab properties (green strength)
 - Odourless
 - Nail free fixing
 - For interior use on wall and ceiling
 - For sheltered outdoor use on wall (canopy, balcony)
 - Over paintable by an emulsion waterborne paint
 - Bonds to a wide range of substrates

Product Data

Form

Colour Off white

Packaging 300 ml cartridge (12 cartridges per box)

Storage

Storage Conditions / Shelf Life 18 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.

Sika MaxTack® must be protected from frost.

Construction



Technical Data

Chemical Base	1-part copolymer binder dispersion water based adhesive	
Density	~ 1.42 kg/l	(DIN 53 479)
Skinning Time	~ 30 minutes (+23°C / 50% r.h.)	
Curing Rate	~ 6 mm / 24h (+23°C / 50% r.h.)	
Sag Flow	thixotropic, non-sag	
Service Temperature	-15°C to +60°C (dry)	

Mechanical / Physical Properties

Shear Strength	3.0 N/mm ² ; 1 mm adhesive thickness (+23°C / 50% r.h.)	(DIN 52 283)
Shore A Hardness	85 (after 28 days)	(DIN 53 505)

System Information

Application Details

Consumption Using a nozzle, with 5 mm diameter, bead yields approx. 15 m length of adhesive from a 300 ml cartridge (~ 20 ml per running meter).

Substrate Quality Clean and dry, homogeneous, even, free from grease, dust and loose particles. Paint, laitance and other poorly adhering particles must be removed. Paints and others coatings must be fully cured and well adhered.

Standard construction rules must be observed.

Substrate Preparation Sika MaxTack® generally has strong adhesion to most clean, sound substrates. If in doubt apply product in test area first.

Non porous substrates:

Anodised aluminium has to be cleaned with acetone or isopropanol by using a clean towel / cloth. Flash off time of at least 15 min. - max 6 hrs.

Porous substrates:

Wood has to be sanded, concrete and mortar have to be sanded to remove laitance.

In all cases, clean the substrates to remove dust and grease traces.

Remove dust by vacuum cleaner.

Application Conditions / Limitations

Substrate Temperature During laying and until Sika MaxTack® has fully cured, substrate temperature must be > +5°C.

Ambient Temperature +5°C min. / +35°C max.

Substrate Moisture Content Dry (visually inspected)

Relative Air Humidity Between 30% and 85%

Application Instructions

Application Method / Tools

Use hand or air pressure gun.

Apply a round shaped bead of adhesive (5 mm diameter) to the prepared substrate at intervals of several centimetres. If required distribute evenly with a notched trowel.

Press and join parts to be bonded before a skin occurs.

Adhesive layer thickness depending on surface evenness 1 - 3 mm.

For immediate fixing, the thickness of bonding adhesive layer must be lower or equal to 1 mm. If necessary, use adhesive tapes, wedges or props to hold the assembled elements together. In case of heavier elements secure for the first 48 hours of curing.

An incorrectly positioned element can be easily readjusted during first 5 minutes after application. Relocate and apply pressure again.

Fresh, uncured adhesive remaining on surface must be removed immediately with a clean cloth and if necessary cleaned with water

Cleaning of Tools

Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be removed mechanically.

Notes on Application / Limitations

Before bonding, check for good adhesion and resistance of the paints by carrying out a trial on an inconspicuous area.

Paints need to fully harden and must be compatible with the adhesive.

If there is a doubt, carry out pre-trials or remove the paint by dry sanding.

One of the two surfaces must be porous or absorbent otherwise adhesive will not cure

Pre-test for over paintability and paint compatibility are recommended. In case of over coating Sika MaxTack® the compatibility must be tested individually on cured adhesive after 24 hours curing at +20°C.

Do not use on easy corroding substrates like mild steel, iron, etc.

Application during high temperature changes are not recommended (movements during the curing).

Service conditions need to be stable (humidity, temperature) and not exceed the adhesive and substrates resistance. Optimum bonding after 48 hours curing at +20°C.

Do not use on plastified PVC, PE, PP, Teflon, plaster, aerated concrete, brick, galvanised steel, treated metals, powder coatings, oven dried paints, marble, natural stones, bituminous substrates, natural rubber, chloroprene, EPDM, building materials which might bleed oils, plasticisers or solvent. and certain plasticized synthetic materials (carry out pre-trials).

Do not use Sika MaxTack® :

- as glass sealer and on mirror
 - on floor or sanitary joints
 - in joints with water immersion or permanent high relative air humidity
 - for structural bonding.
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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.

Important Notification

The information, and, in particular, the recommendations relating to the application and end-use of Sika's 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 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 proprietary rights of third parties must be observed. All orders are accepted subject of our terms and conditions of sale. Users should always refer to the most recent issue of the Australian version of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.



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