

Technical Data Sheet

Version 01/2025

BondTec MS-HighTack 280 (MS Kleber Tempo)



Product Description

Solvent-free one-component adhesive based on hybrid polymer. Vulcanizes under the influence of moisture to form a permanently elastic adhesive.

Standards, tests and specifications

- EN 15651-1: 20HM
- EN 13501: Fire behavior class E
- Particularly high initial adhesion
- Emicode© EC1^{PLUS} – Very low emissions
- DGNB/ÖGNI: Q4 in line 13
- GISCODE: RS10



Product Properties

- particularly high initial adhesion: approx. 500 kg/m²
- for gluing suitable mirrors
- for waterproof bonds
- can be applied on moist substrates
- with V-seam nozzle for optimal dosing
- fire behavior according to EN 13501-1: class E
- not corrosive to metals
- gluing and sealing with the same product
- vibration-dampening
- high stability
- weather, ageing and UV resistant
- almost odorless
- paintable

Areas of Application

Outdoors, artificial and natural stones, facade construction, window sills, steps, signs, roof area, floorings and skirtings, doors, wall coverings, glass mosaic, metal construction, wood construction, plastic construction, kitchen area, tiles, sanitary area, adhesion of mirrors with suitable mirror coating, repair and reconditioning works. Suitable for combination bonding of different materials. For gluing applications where filling and sealing properties are important.

Form of Delivery

Cartridge:	290 ml
Packing unit:	20 pieces per box

Substrates

Suitable substrates:

plaster, concrete, aerated concrete, mortar, masonry, brick, clinker, cement, fiber cement, plasterboard, wood, wood chipboard, lacquered, glazed or impregnated wood, wood fiber boards, aluminum, corrosion-protected metals, copper, zinc, ceramics, tiles, mirror, enamel, stoneware, natural stone, polystyrene, glass, many plastics

Conditionally suitable substrates:

tar and bituminous substrates

Unsuitable substrates:

EPDM, PIB, PTFE, PP, PE, gypsum, silicone

Instructions for Use

The adhesive surfaces must be clean, dry, free from release agents and firm. Dust, grease, oil and loose parts must be removed before processing. We advise to carry out a suitability test for the large number of substrates, building materials and/or coatings used today, especially for plastics, paintings and powder coatings. Tar and bitumen-containing substrates can lead to color changes of the mass and affect the adhesion.

Cut off the cartridge nipple with a sharp knife. Screw the nozzle onto the cartridge and cut it to the desired width. Insert the cartridge into the ejector gun and apply the adhesive in the form of strings or in a punctiform manner, never on full-faced. Cured adhesive can only be removed mechanically or with solvents.

It is necessary to check whether a subsequent application of paint on the adhesive is compatible. Some paints can lead to changes of the color of the glue and affect the adhesion.

For the processing of large quantities in enclosed areas, sufficient fresh air must be provided during the curing time. The material consumption depends on the texture/roughness of the bonding surfaces/substrates. The reaction time depends on temperature as well as air and substrate humidity. The final strength of the bond is achieved after several days. If the substrate is extremely moist or by adding extra moisture, the full hardening is accelerated.

Store cartridges cool and dry. Higher temperatures shorten shelf life.

Processing tool:

We recommend using a high-quality caulking applicator with a minimum trigger ratio of 12:1, e.g. the caulking applicator of the series Irion X7-310, FX7-90, XP Delta or Except-310. Due to the viscous mass using cheap caulking applicators can cause premature muscle fatigue and damage to the tool.

Use as a mirror adhesive:

Apply straight lines of adhesive to the back of the mirror. Do not create a full-surface, circular or point-like bond. Sufficient rear ventilation must be guaranteed. It is essential to fix the mirror with blocks, adhesive tape or something similar while the adhesive is hardening. The processing instructions of the mirror manufacturer, the ÖNORM EN 1036 - Appendix B and die technischen Richtlinien des Glaserhandwerks Nr. 11, Montage von Spiegeln must be observed.

Technical Data

Characteristics	Standard	Value
Density	EN 1183-1	1.5 ± 0.1 g/cm ³
Shore A hardness	EN ISO 868	approx. 60
Fire behavior	EN 13501-1	class E
Skin formation time (normal climate 23/50)		approx. 15 min
Curing (normal climate 23/50, depending on substrate)		approx. 2 mm/day
Tensile load (adhesive strength 0,5 - 1 mm after 3 days)		approx. 2 N/mm ²
Temperature resistance (cured mass)		-20 to +90 °C
Processing temperature		+5 to +40 °C
Shelf life (dry, at +10 to +25 °C)		12 months

Safety Instructions

Please refer to our safety data sheet and the product label for further information on product safety and handling. Current safety data sheets and further information on our products can be found at www.insebo.com.

Service

Upon request, our trained sales representatives are always at your disposal.

Disposal

For disposal instructions please refer to our safety data sheet and product label.

Additional Information

This technical data sheet advises without obligation and guarantee. The mentioned processing instructions have to be adapted to the prevailing conditions. The user is obliged to check the suitability and application by own experiments in order to avoid failures.

All given descriptions, data, ratios, weights, etc. can change without notice and do not represent contractually agreed properties of the product. Existing laws, standards and regulations are to be observed by the recipient of our products in their own responsibility.

Due to the large number of possible influences during processing and application, a guarantee of certain properties or suitability for a specific application can not be made, own tests are necessary.

The right to make technical changes is reserved.