

Technical Data Sheet

Version 06/2025

BondTec MS-Flächenkleber 276 (MS Flächenkleber)



Product Description

Solvent-free, moisture-curing, one-component adhesive based on hybrid polymer.

Standards, tests and specifications

- EN 13501: Fire behavior class E
- High initial adhesion with full-surface bonding
- Suitable for the use of surface nozzles
- Emicode® EC1^{PLUS} – Very low emissions
- DGNB/ÖGNI: Q4 in line 11, 13 & 42
- GISCODE: RS10



Product Properties

- gluing and sealing with the same product
- can be applied to moist substrates
- fire behavior according to EN 13501-1: class E
- fulfils the strict ecological requirements of various institutes
- vibration and vibration damping
- can be used throughout the entire building
- not corrosive to metals
- permanently elastic
- waterproof
- resistant to weathering and ageing
- almost odorless

Form of Delivery

Alu bag: 600 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, enamel, glass, EPDM, many plastics

Conditionally suitable substrates:

tar and bituminous substrates

Unsuitable substrates:

PTFE, PP, PE, gypsum, glass, silicone, natural stones, mirror

Instructions for Use (generally)

The bonding surfaces must be clean, dry, free of release agents, and capable of bearing load. Dust, grease, oils, and loose particles must be removed before application. Given the wide variety of substrates, construction materials, and coatings used today, especially plastics, paints, and powder coatings, we recommend conducting a suitability test. Tar- and bitumen-containing surfaces may cause color changes to the adhesive and affect adhesion.

For non-absorbent surfaces, pre-cleaning with ISO-Pro Clean is strongly recommended.

In general, non-absorbent, closed-pore substrates should be pretreated with PRIMER GP/Adhesion Cleaner 1, and absorbent, open-pore substrates should be pretreated with PRIMER OP to achieve optimal adhesion to the substrate. Allow the primer to air out properly.

Once cured, the adhesive can only be removed mechanically or with solvents.

It should be checked whether a subsequent coating applied to the adhesive is compatible. Some coatings may cause color changes in the adhesive and affect adhesion.

Store cartridges in a cool, dry place. Higher temperatures shorten the shelf life

Instructions for Use (Surface adhesive)

For optimal curing, it is necessary to moisten vapor-impermeable substrates during large-area bonding. The recommended water amount is 5-7 g/m².

Sanding smooth surfaces with fine abrasive fleece can further improve adhesion.

The viscosity of MS Area Adhesive 666 varies with temperature: it increases at lower temperatures and decreases at higher temperatures. Before application, the adhesive should be brought to the correct temperature, if necessary—the optimal material temperature is +20°C. No more adhesive should be applied than can be processed within approximately 12 to 17 minutes. Application is done over the entire surface with a notched trowel, ensuring that the substrates to be bonded are fully coated. In large-area bonding, a delay in the chemical reaction may occur, which in turn delays the build-up of adhesion.

The adhesive consumption varies significantly depending on the type of substrate and the thickness of the application. Generally, consumption can be expected to be about 700 to 950 g/m². However, for uneven substrates, the consumption may be significantly higher. For optimal application, fine notches are recommended for small-format elements and/or even surfaces. For large-format or uneven and rough substrates, coarse notched trowels should be used to ensure sufficient adhesion and distribution of the adhesive.

Technical Data

Characteristics	Standard	Value
Fire behavior	EN 13501-1	class E
Density	EN 1183-1	1.62 ± 0.1 g/cm ³
Shore A hardness	EN ISO 868	approx. 43
Skin formation time (normal climate 23/50)		approx. 24 min.
Curing (normal climate 23/50, depending on substrate)		approx. 2 – 2,5 mm after 24 h
Stability	EN 7390 (no sagging in the joint)	< 3 mm
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.