

Technical Data Sheet

Version 03/2025

HybridTec DK 32 (MS Hybrid)



Product Description

Elastic, neutral crosslinking, solvent-free, one-component sealant based on hybrid polymer. Reacts with moisture. Hybrid polymer system.

Standards, tests and specifications

- EN 15651-1: 20HM
- EN 15651-3: XS1
- EN 15651-4: 12,5 E
- EN 13501: Fire behavior class E
- Emicode© EC1^{PLUS} – Very low emissions
- ISEGA - food compatible test



Product Properties

- best protection against microorganisms (fungi): EN 15651-3: XS1
- Bonding and sealing with the same product
- tested for food compatibility
- can be processed on moist substrates
- fire behavior according to EN 13501-1: class E
- meets the strict ecological requirements of various institutes
- paintable
- Can be used throughout the entire building
- not corrosive to metals
- permanently elastic
- waterproof
- Weather, ageing and UV-resistant
- color-stable
- almost odorless

Areas of Application

filling of cracks and expansion joints, outdoors, weather-stressed joints, facade construction, window sills, sheet metal masking, connection joints for roof windows, joints in the roof area, floor coverings and skirtings, doors, partition walls, pre-cast walls, inner door frames, roller shutter boxes, air conditioning and ventilation systems, fan housings, metal construction, wet rooms, repair and reconditioning works

Form of Delivery

Cartridge: 290 ml
Packing unit: 20 cartridges per box

Substrates

Suitable substrates:

plaster, concrete, aerated concrete, masonry, brick, clinker, cement, fiber cement, plasterboard, wood, wood chipboard, lacquered, glazed or impregnated wood, wood fiber boards, aluminum, corrosion-protected metals, copper, zinc, iron, steel, brass, zinc sheet, ceramics, tiles, enamel, terrazzo, natural stone, artificial stone, glass, carpet, many plastics, hard PVC

Conditionally suitable substrates:

tar and bituminous substrates, gypsum only with primer

Unsuitable substrates:

PIB, PTFE, PP, PE, mirror backside, lead

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. Generally non-absorbent, closed-pore substrates should be pretreated with LiquiTec Grund GP and absorbent, open-pore substrates with LiquiTec Grund OP in order to achieve a best possible adhesion. Allow the primer to evaporate well.

Be careful when using a primer as it may stain the substrate. In any case, a test should be made beforehand. 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.

The use of a PE round cord as a joint backfill material is recommended to avoid three-point-adhesion. Before beginning, the joint edges should be taped with suitable adhesive tape. 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 eject the sealing compound evenly and without any cavities. Spray the sealant with LiquiTec Glätten smoothing agent before skin formation and smooth it with a joint spatula. Then remove the adhesive tape and any sealant residues before curing. It is necessary to check whether a coating, which is applied on the joint afterwards, is elastic enough to allow permanent joint movement.

It is also necessary to check the compatibility of the sealant and the paint beforehand. Some paints can cause color changes of the mass and affect the adhesion. When handling large quantities in enclosed spaces, fresh air must be provided during the curing time. The sealant is odorless after curing. Store cartridges cool and dry. Higher temperatures shorten shelf life.

Technical Data

Characteristics	Standard	Value
Density	EN 1183-1	1,5 ± 0,1 g/cm ³
Shore A hardness	EN ISO 868	approx. 40
Skin formation time (normal climate 23/50)		approx. 20 - 30 min.
Curing (normal climate 23/50, depending on substrate)		approx. 2 mm after 24 h
Permissible total deformation of the joint		20 %
Stability	EN 7390 (no sagging in the joint)	≤ 1 mm
Volume loss	EN 10563	2,8 %
Tension behavior	EN 8339 (E-modulus 100)	< 0,8 N/mm ²
	EN 8339 (E-modulus 25)	approx. 0,4 N/mm ²
Resilience	EN 7389	> 70 %
Elongation at break	EN 8339	180 %
Temperature resistance (cured mass)		-20 to +100 °C
Processing temperature		+5 to +40 °C
Shelf life cartridge (dry, at +5 to +25 °C)		15 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 environmental influences, such as chemical stress, vapors, UV exposure or high temperatures, color changes can occur. However, other product properties are not affected by these changes.

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.