

Technical Data Sheet

Version 01/2025

AcrylTec ST 21 (Acrylat Basic)



Product Description

Elasto-plastic, physically drying, solvent-free, one-component dispersion sealant based on acrylate. Cures by drying.

Standards, tests and specifications

- EN 15651-1: fulfilled
- EN 13501: Fire behavior class E
- DGNB/ÖGNI: Q2 in line 11 & 13
- GISCODE: DA20



Product Properties

- Can be painted and plastered over
- water soluble in the fresh state - tools are easy to clean
- can be processed on moist substrates
- fire behavior according to EN 13501-1: class E
- can be applied with a spatula
- resistant to ageing and UV radiation
- ready-to-use
- almost odorless

Areas of Application

Filling of cracks, joints with no/slight movement, inner door frames, repair and reconditioning works, wall cracks and unevennesses.

Not suitable for continuous exposure to moisture.

Form of Delivery

Cartridge	300 ml
Packing unit	20 cartridges per box

Substrates

Unsuitable substrates:

plaster, concrete, aerated concrete, masonry, brick, clinker, cement, fiber cement, plasterboard, wood, wood chipboard, aluminum, corrosion-protected metals, tiles, many plastics

Conditionally suitable substrates:

gypsum only with primer

Unsuitable substrates:

tar, bitumen-containing substrates, EPDM, PIB, PTFE, PP, PE, gypsum, glass, silicone, mirror backside, zinc sheet, iron, steel, copper, 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. The substrate may be moist but must not be wet. For porous and absorbent substrates, the adhesive surfaces should be pre-coated with a water-thinned sealant (1 part of acrylate and 2 parts of water). Allow the primer to dry, and apply the sealant onto the still slightly moist substrate. 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. Smooth the acrylate with a moistened joint spatula. During the skin-forming period, the mass must be protected from rain. Do not use in places where standing water can form. 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. The sealant is odorless after curing.

Acrylate sealants should not be used in the soil and permanently wet areas.

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

Technical Data

Characteristics	Standard	Value
Density	EN 1183-1	approx. 1,7 ± 0,1g/cm ³
Fire behavior	EN 13501	class E
Stability	EN 7390 (no sagging in the joint)	≤ 1 mm
Volume loss	EN 10563	< 25 %
Temperature resistance (cured mass)		-20 to +80 °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.