

Ruberstein[®] Injection adhesive TZ

Sulphate-resistant, trass-containing injection adhesive for crack grouting

Composition:

- Trass DIN 51043
- Portland cement DIN EN 197-1
- Limestone meal DIN EN 13139
- Additives

Consumption:

1 kg of dry mortar yields 0.6 to 0.8 litre fresh mortar, depending on the consistency

Delivery form:

Paper bags (20 kg) on Euro pallets

Storage:

In a dry, frost-proof place; shelf life: approx. 12 months
We recommend processing within approx.. 6 month.

Application:

Ruberstein[®] TZ is used for sealing dry and damp cracks in concrete, masonry and natural stone with crack widths >0.2 mm, for filling hollow screeds, pre-packaged coarse aggregates, gravel pockets, brick aggregate concrete, etc.

Ruberstein[®] TZ is suitable for a non-positive filling of cracks in concrete.

Characteristics:

- Fresh mortar density 1.79 g/cm³
- Compressive strength 17.5 N/mm² (after 7 d)
- Compressive strength ≥ 20 N/mm² (after 28 d)
- Flexural strength 2.8 N/mm² (after 7 d)
- Processing time 30–45 min
- pH Value 12
- Largest grain 0.1 mm
- High flow capability
- Sulphate-resistant
- Low in chromate according to Regulation (EC) No. 1907/2006, Annex XVII

Ruberstein[®] TZ is an injection adhesive based on ZTV-Ing 2019 Part 3, section 5, table 2.

Processing:

Carefully clean the crack surfaces and crack edges, remove any loose parts. Adhesive packer systems are particularly suitable for very fine crack widths. If drilling packer systems are used, drill cracks diagonally at an angle of 45 degrees. The distance between crack and packer should correspond to the half of the thickness of the building element. Drilling should be performed offset to the right and left, with the distance between boreholes being half of the thickness of the building element. Insert packer and tighten it using a wrench. Clean, moisten and insulate the crack using a low-pressure technique. Mix a 20 kg Ruberstein[®] TZ bag with approx. 7–8 litres (screw pump) or approx. 11 litres (piston or diaphragm pump) of clean water using a high-speed pan or colloidal

mixer (2000–6000 rpm). Keep the mixture in motion during processing. Inject the mixed injection adhesive only with low-pressure pumps (pressures between 3–8 bars). Attach the injection tube on the bottom packer (for vertical cracks) or on the external packer (for horizontal cracks). Remove the seal nipples from all packers and start the grouting process. As soon as the injection adhesive flows out of the next packer, interrupt the pumping procedure, close this packer with a nipple and proceed with grouting. Repeat this procedure until the injection adhesive emerges from the last injection packer

In case of non-positive fillings, please consult the manufacturer.

In the case of deep or long and jagged cracks, it is recommended to perform post-grouting.

Object and processing temperature must not be below +3°C.

Clean the used tools and equipment immediately after use with water.

Occupational health and safety:

Fresh injection adhesive is alkaline. Wear skin and eye protection!

Notes

All information in this publication is based on our current technical knowledge and experience. However, since conditions and methods of use and application of our products are beyond our control, we suggest that you test the product before final use. The generally applicable rules of construction engineering must be complied with. A legally binding guarantee of certain properties or suitability for a specific application cannot be derived from the statements in this publication. Any proprietary rights as well as existing laws and regulations must be observed by the recipients of our products on their own responsibility.

We reserve the right to make technical changes to the products and their packaging.

Our general terms and conditions apply.