

KÖSTER Micro Grout 1C

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Non-shrinking injection grout for crack and void filling with high final compressive strength

Features

KÖSTER Micro Grout 1C is a high grade injection mortar with a high final compressive strength for injections in concrete and masonry.

KÖSTER Micro Grout 1C does not form a sediment during the application time and does not require special devices for the application such as a colloid mixer.

Technical data

Grinding fineness (Blaine)	> 5500 cm ² / g
Compressive strength (1 day)	> 15 N / mm ²
Compressive strength (7 days)	> 40 N / mm ²
Compressive strength (28 days)	> 60 N / mm ²
Pot life	approx. 100 min.

Field of application

KÖSTER Micro Grout 1C can be used for the injection of cracks in masonry and concrete, also for use over head, for grouting of rock, earth and masonry anchors as well as for filling voids, joints etc.. It can also be used to solidify granular and/or sandy soils.

Substrate preparation

The substrate has to be clean, free of dust, grease and other contaminants that reduce bonding. The load capacity has to correspond to the expected loads. Before application of the material, the substrate has to be wetted well.

Mixing

KÖSTER Micro Grout 1C is delivered ready for use and only requires mixing with water. Per bag, add 7.5 to 8.5 liters of water. First, put 2/3 of the total amount of water required into a clean mixing vessel. Then, the required amount of material is added to the water in portions while continually mixing using a mechanical

mixing device. Finally, mix in the remaining amount of water and thoroughly mix the material again. The mixing time of 4 – 5 minutes must be observed.

Application

The grout can be injected using suitable injection pumps and packers. The injection ports are placed at a distance of approx. 10 cm from each other on alternating sides along the crack or the cavity / void to be filled.

Consumption

Approx. 1.6 kg / l void

Cleaning of tools

Clean tools with water immediately after use.

Packaging

24 kg bag

Storage

Store the material dry; in originally sealed bags, it can be stored for approx. 6 month.

Safety

Wear protective gloves and goggles when processing the material. When carrying out injection works, make sure to protect the surroundings from injection resin that may be discharged from the wall, packers, boreholes etc. due to the pressurized mode of injection or accidentally. Do not stand directly behind the packers during injection.

The information contained in this technical data sheet is based on the results of our research and on our practical experience in the field. All given test data are average values which have been obtained under defined conditions. The proper and thereby effective and successful application of our products is not subject to our control. The installer is responsible for the correct application under consideration of the specific conditions of the construction site and for the final results of the construction process. This may require adjustments to the recommendations given here for standard cases. Specifications made by our employees or representatives which exceed the specifications contained in this technical guideline require written confirmation. The valid standards for testing and installation, technical guidelines, and acknowledged rules of technology have to be adhered to at all times. The warranty can and is therefore only applied to the quality of our products within the scope of our terms and conditions, not however, for their effective and successful application. This guideline has been technically revised; all previous versions are invalid.