



KÖSTER Swellable Grout

Technical Data Sheet SL 252 025

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- Official material testing institute of the Free Hanseatic City of Bremen - Test certificate 05-10115-19 - Static modulus of elasticity test

Swellable self-leveling grout

Features

KÖSTER Swellable Grout is a fine-grained, normal setting grout mortar, formulated with a moderately expanding component. It provides a good flow spread, is pourable, and has a pot life of at least 45 mins. KÖSTER Swellable Grout is resistant to de-icing and other harmful salts as well as oils and lubricants.

Technical Data

Mixing water	3.5 Liter
Color	cement gray
Density	1.9 kg / l
Density of fresh mortar	approx. 2.10 kg / l (mixed w/water)
Largest grain size	approx. 1.5 mm
Begin of setting time	after approx. 90 Min (+20 °C)
Maximum thickness*	25 cm
Compressive strength 1 Day	> 20 N / mm ²
Compressive strength 7 Days	> 35 N / mm ²
Compressive strength 28 Days	> 50 N / mm ²
Flexural Tensile Strength 1 Day	> 4 N / mm ²
Flexural Tensile Strength 28 Days	> 9 N / mm ²
Trafficable at > +10 °C	after approx. 18 hours
Swelling	approx. 0,4 %
Modulus of elasticity	18400

*layer thickness at e.g. anchor holes or linings.

Max. layer thickness in the area for repairs up to 50 mm.

Fields of Application

KÖSTER Swellable Grout is suitable for pouring and filling i.e. void and concrete breakouts, for underpinning machine foundations, shelf rack columns, and as pocketing grout for installations and anchoring holes.

Substrate

The substrate must be clean, solid, and stable. Remove all laitance and bond inhibiting soilings such as dirt and dust. It is recommended to prepare the substrate by high pressure water jetting. Pre-wet the substrate before installation. Remove any standing water.

Application

KÖSTER Swellable Grout is slowly added to 3.5 liters of clean mixing water while constantly mixing using a slow rotating stirring device (recommended: KÖSTER Double Paddle Mixer, max. 400 rpm). Mixing time is a minimum of 3 minutes. The grouting procedure should be carried out in one work step.

The material can also be pumped with all screw pumps from b&m, especially the BMP 7 (max. 10 m 3/4" hose, 1st gear, 10% speed).

Consumption

1.9 kg / l void

Cleaning

Clean tools immediately after use with clean water.

Packaging

SL 252 025 25 kg bag

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.

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