



KÖSTER VGM Fast

Ready to use, fast curing grouting mortar

Features

KÖSTER VGM Fast is characterized by a very high spread value, is easily poured, and quickly develops a high compressive and flexural strength. KÖSTER VGM Fast is resistant to de-icing salts, and other salts detrimental to building materials, as well as to oil and lubricants.

Technical Data

Powder component	25 kg
Mixing water	4.0 - 4.5 l
Color	cement grey
Density (DIN EN 1015-6)	dry mortar approx. 1.9 g / cm ³ fresh mortar approx. 2.1 g / cm ³ (incl. mixing water)
Max. grain size (DIN EN 12192-1)	0.8 mm
Begin of setting (DIN EN 196-3)	after approx. 15 min (+ 20 °C)
Maximum layer thickness	5 cm
Compressive strength after 2.5 hours (DIN EN 12190)	> 5 N / mm ²
Compressive strength after 24 hours (DIN EN 12190)	> 20 N / mm ²
Compressive strength after 7 days (DIN EN 12190)	> 40 N / mm ²
Compressive strength after 28 days (DIN EN 12190)	> 70 N / mm ²
Flexural tensile strength after 2.5 hours (DIN EN 12190)	> 2 N / mm ²
Flexural tensile strength after 24 hours (DIN EN 12190)	> 4 N / mm ²
Flexural tensile strength after 7 days (DIN EN 12190)	> 9 N / mm ²
Flexural tensile strength after 28 days (DIN EN 12190)	> 11 N / mm ²
Can be driven on (at temperatures > + 10 °C)	after approx. 3 hours

Fields of Application

KÖSTER VGM Fast is designed for repairs in areas in which an early and high loading capacity is required such as for road surfaces, man holes, garages, warehouse ramps, etc, also 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.

Application

The dry mortar is slowly added to 4.0 - 4.5 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.

Aftertreatment

Curing can be aided by covering the hardened material with polyethylene sheets. This reduces surface shrinkage tension especially when the material has been applied in thick layers.

Consumption

approx. 1.9 kg/l void

Cleaning

Clean tools immediately after use with clean water.

Packaging

SL 251 025 25 kg bag

Storage

Store the material in a dry environment. In originally sealed packages, the material can be stored for a minimum of 6 months.

Safety

Contains Portland cement. Reacts caustic. Thus protect skin and eyes from contact. In case of contact, rinse thoroughly with water. Observe all governmental, state, and local safety regulations when processing the material.

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.