KÖSTER Repair Mortar Plus

Technical Data Sheet W 532 025

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Fast setting, expanding repair mortar

Features
KÖSTER Repair Mortar Plus is a watertight, fast setting, slightly expanding repair mortar with excellent adhesion even to old building material substrates. With the addition of KÖSTER SB Bonding Emulsion, it can be used as a PCC (polymer-modified cement concrete) mortar.

Technical Data

Density of the fresh mortar	1.8 kg / l
Compressive strength after 7 days	> 18 N / mm²
Compressive strength after 28 days	> 35 N / mm²
Flexural tensile strength after 7 days	> 4 N / mm²
Flexural tensile strength after 28 days	> 6 N / mm²
Pot life	10 – 15 min

Fields of Application
The material is intended for the execution of watertight repairs and touch ups. It can be used for the installation of fillets in the wall / floor junction which are exposed to pressurized water prior to the application of bitumen thick film sealants (KÖSTER Bikuthan 1C and 2C, KÖSTER Deuxan Professional and 2C) and mineral coatings (KÖSTER KD System, KÖSTER NB etc.). The material can be used for underfilling machine foundations as well as for filling blowholes, cracks, and oversized joints.

Substrate
The surface has to be sound and clean, free of oil and grease. The material can be applied to all mineral substrates. Before installing fillets on the outside of basement walls, brush KÖSTER NB 1 Grey (consumption approx. 4 kg / m²) onto the fillet's substrate.

When installing mortars substrate preparation is of vital importance. Pre-wet all mineral substrates before the installation of KÖSTER Repair Mortar Plus. The surface near pore structure must be saturated, (avoiding standing water and puddles) so that it does not absorb water from the applied mortar.

Application
Mix 25 kg of KÖSTER Repair Mortar with 2.5 – 3.0 l water + 800 ml of KÖSTER SB-Bonding Emulsion. Place ¾ of the liquid into a mixing vessel of sufficient size and add the powder in portions while continually mixing with a slow rotating electrical mixer. Add the remaining ¼ of liquid as needed during mixing to adjust the mortar to the desired consistency. Mix until a homogeneous, lump-free consistency is reached. Mixing time is approx. 3 minutes.

Apply the mortar using customary mason's tools.

Installation of fillets (exposed to pressurized water)
The substrate has to be primed with KÖSTER NB 1 Grey (consumption: approx. 4 kg / m²). Allow the KÖSTER NB 1 Grey to cure for at least 24 hours. Then the fillet can be installed (leg length of approx. 4 – 6 cm) using KÖSTER Repair Mortar Plus (Mix 25 kg of KÖSTER Repair Mortar Plus with 2.5 – 3.0 l of water + 800 ml of SB-Bonding Emulsion). After another 24 hours, the fillet can be coated with KÖSTER bitumen thick film coatings (e.g. KÖSTER Deuxan 2C).

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. 1.8 kg / l void; approx. 2.5 kg per meter of fillet

Cleaning
Clean tools immediately after use with water.

Packaging

W 532 025	25 kg bag

Storage
Store the material dry. In originally sealed packages it can be stored for a minimum of 6 months.

Safety
Wear protective gloves and goggles when processing the material. Observe all governmental, state, and local safety regulations when processing the material.

Related products

KÖSTER KD System	Prod. code W 219 036
KÖSTER NB 1 Grey	Prod. code W 221 025
KÖSTER Bikuthan 2C	Prod. code W 250 028
KÖSTER Bikuthan 1C	Prod. code W 251 030
KÖSTER Deuxan 2C	Prod. code W 252 032
KÖSTER Deuxan Professional	Prod. code W 256 032
KÖSTER SB Bonding Emulsion	Prod. code W 710

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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