KÖSTER
Waterproofing Systems

KÖSTER KB-Fix 5

Technical Data Sheet C 515 015

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Fast setting mortar for swift installations

CE	**KÖSTER BAUCHEMIE AG** **Dieselstraße 1-10, 26607 Aurich** **18** **C 515** **EN 1504-3:2005** **Concrete replacement product for static and non-static relevant repairs used as mortar applied by hand (3.1)** **EN 1504-3: ZA. 1a**
Compressive Strength	Class R1
Chloride ion content	≤ 0,05 %
Adhesion strength	≥ 1,5 MPa
Restraint shrinkage/expansion	NPD
Resistance to carbonatation	NPD
Fire Resistance	Class A1
Release of dangerous substances	Compliance with 5.4, EN 1504-3

Features
KÖSTER KB-Fix 5 is an extremely fast setting waterproof and weatherproof mortar for swift installations. It is a frost-resistant mortar with fast early and final strength and good adhesion to mineral substrates.

Technical Data

Density of fresh mortar	approx. 2.0 kg / l
Compressive strength (2 h)	approx. > 4 N / mm²
Compressive strength (24 h)	> 11 N / mm²
Compressive strength (7 days)	> 30 N / mm²
Compressive strength after 28 days	> 60 N / mm²
Flexural tensile strength(2 h)	> 5 N / mm²
Flexural tensile strength(24 h)	> 2.5 N / mm²
Flexural tensile strength(7 d)	> 4 N / mm²
Starts to set	after approx. 5 minutes (+ 20 °C)
Application of next layer	after approx. 3 hours
Modulus of Elasticity	approx. 19,000 N / mm²
Application temperature	+ 5 °C to + 25 °C

Fields of Application
KÖSTER KB-Fix 5 is intended for swift filling of holes and cracks in plaster and masonry, for anchoring wall anchors, anchor fittings, brackets of roof gutters and down pipes, handrails, grates, radiators as well as for swift repairs at home, for sealing pipe penetrations in connection with KÖSTER KB-Flex 200. KÖSTER KB-Fix 5 is suitable for both inside and outside use.

Substrate
The surface has to be sound and clean, free of oil and grease. The material can be applied to all mineral substrates. Loose plaster and wall parts must be removed. Holes or cracks must be dampened with clean tap water avoiding formation of puddles.

Application
Mix 3 parts of KÖSTER KB-Fix 5 with 1 part of water into a stiff, viscous mortar. The powder has to be mixed into the water in portions during the stirring process. When doing sealing work or when repairing larger areas, press the mortar into place using a board or trowel until it has set.

In cold weather, mix KÖSTER KB-Fix 5 with warm water (approx. 20 °C). KÖSTER KB-Fix 5 can be modified to give a slower reaction time and lower compressive strength by adding washed sand and Portland cement (always carry out tests before installation). Mix only as much material as can be worked in 5 minutes. Protect the installed material from direct sunlight, rain and frost until it hardens.

Consumption
Approx. 1.8 kg/l void

Cleaning
Clean tools immediately after use with a lot of water.

Packaging

C 515 015	15 kg bucket

Storage
Store the material in a dry environment. In originally sealed packages, the material can be stored for a minimum of 12 months.

Safety
Wear protective gloves and goggles when processing the material. Adhere to all governmental, state, and local safety regulations when processing the material. Further information can be found in the safety data sheet - available via the QR code on the container.

Related products

KÖSTER KB-Fix 1	Prod. code C 511 015
KÖSTER KB-Pox IN	Prod. code IN 231
KÖSTER KB-Flex 200	Prod. code J 250
KÖSTER Mautrol Liquid Sealant	Prod. code M 241
KÖSTER Capillary Rods	Prod. code M 963
KÖSTER KD System	Prod. code W 219
KÖSTER Spatula	Prod. code X 987 001

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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