



KOSTER Repair Mortar

Concrete repair and water-repellent finishing mortar

Technical guideline / Article number 5.030
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Description:

KOSTER Repair Mortar is a watertight repair mortar and plaster with excellent adhesion even to old building material substrates.

With the addition of KOSTER SB Bonding Emulsion, it may be used as a polymer-modified cement mortar.

Technical Data:

Density of fresh mortar	15 lb/gal
Compressive strength after 7 days	> 2600 psi
Compressive strength after 28 days	> 5000 psi
Flexural tensile strength after 7 days	> 580 psi
Flexural tensile strength after 28 days	> 870 psi
Application of next layer	after approx. 24 hours
Pot life	1 hour

Use:

For carrying out waterproof repairs and touch up, for creation of water-repellent plasters; for concrete repair. For evening out rough surfaces or joints prior to the application of bitumen thick film sealants, even under pressurized water. It may be used for fillets/cants in the wall/floor junction which are stressed by pressurized water prior to the application of bitumen thick film sealants (KOSTER Bikuthan 2C, KOSTER Bikuthan 1C, KOSTER Deuxan 2C, KOSTER Deuxan Professional) and cement based coatings (KOSTER KD System, KOSTER NB 1 Grey, etc).

Substrate Preparation:

The surface must be sound and solid, free of oil and grease. The material may be applied to all cementitious substrates. Before installing the fillet on the external basement wall, brush on KOSTER NB 1 Grey (coverage approx. 0.8 lb/ft²). If larger surfaces are to be plastered, a plaster key made of repair mortar and water / KOSTER SB Bonding Emulsion (25% admixture to the mixing water) should be applied beforehand.

Mixing:

One 50 lb bag of KOSTER Repair Mortar is mixed with approx. 3.6 quarts of mixing liquid. The mixing liquid is prepared by mixing 2.8 quarts of water with

0.8 quarts of KOSTER SB Bonding Emulsion. Place $\frac{3}{4}$ of the liquid into a mixing vessel of sufficient size and add the powder in portions while continually mixing with a slow speed electrical mixer. Add the remaining $\frac{1}{4}$ 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. The material may also be prepared without the use of KOSTER SB Bonding Emulsion. In this case, add 0.8 quarts more water instead.

Application:

Apply KOSTER Repair Mortar using customary mason tools.

Installation of Fillets:

The substrate must be primed with KOSTER NB 1 Grey (coverage: 0.8 lb/ft²). Allow the KOSTER NB 1 Grey to cure for at least 24 hours. Now the fillet can be installed (leg length of approx. 1.6 -2.4 in (4 – 6 cm) using KOSTER Repair Mortar (50 lb of KOSTER Repair Mortar is mixed with 2.3 – 2.8 quarts water + 0.8 quart KOSTER SB Bonding Emulsion). After another 24 hours, the fillet may be coated with KOSTER bitumen thick film sealants (e.g. KOSTER Deuxan 2C).

Coverage:

Approx. 15 lb/gal void
Approx. 3 – 7 lb/ft² per 0.4 inch of layer thickness of the plaster.
Approx. 1.7 lb/ft of fillet

Cleaning of Tools:

Clean tools immediately after use with water.

Storage:

Store the material dry. In originally sealed packages, it can be stored for approx. 12 months.

Packaging:

50 lb bag

Safety Precautions:

Wear protective gloves and goggles when processing the material.

Limited Warranty:

KOSTER warrants that its product shall be in accordance with the specifications published in the current revision of the products data sheet. KOSTER covenants that in the event any of its products fail to meet their published specifications, KOSTER shall replace those products proved to be defective. KOSTER shall not be responsible for any incidental or consequential damages due to the breach of its warranties. Notwithstanding the foregoing, KOSTER's sole liability hereunder shall not exceed the cost of the defective product originally purchased. EXCEPT AS SET FORTH ABOVE, KOSTER MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED AND MAKES NO WARRANTY AS TO THE MERCHANTABILITY OR FITNESS OF THE PRODUCT FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. The user must determine if the product is suited for the intended use and the user must bear the risks and liabilities associated with it.