



KOSTER Repair Mortar Plus

Fast setting, expanding repair mortar

Technical guideline / Article number 5.032
Issued: May 29, 2012

Description:

KOSTER 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 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
Pot life	10-15 min

Use:

The material is intended for carrying out watertight repairs and touch up. 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 (KOSTER Bikuthan 1C and 2C, KOSTER Deuxan Professional and 2C) and cement based coatings (KOSTER KD System, KOSTER NB 1 Grey, etc). The material can be used for underfilling machine foundations as well as for filling ruptures and oversized joints.

Substrate Preparation:

The surface must be sound and clean, free of oil and grease. The material may be applied to all mineral substrates. Before installing fillets on the outside of basement walls, brush KOSTER NB 1 Grey (coverage approx. 0.8 lb/ft²) onto the fillet's substrate.

Mixing:

One 50 lb bag of KOSTER Repair Mortar Plus 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 Plus 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. Then the fillet can be installed (leg length of approx. 1.6 -2.4 in (4 – 6 cm) using KOSTER Repair Mortar Plus (50 lb of KOSTER Repair Mortar is mixed with 2.4 – 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. 1.7 lb/ft of fillet

Cleaning of Tools:

Clean tools immediately after use with water.

Packaging:

50 lb bag

Storage:

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

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.