



KOSTER ECC Mortar

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Features

KOSTER ECC Mortar is a fiber-containing engineered cementitious composite system that features high early compressive strength and fast setting time. It is utilized to eliminate concrete brittleness and has applications in culvert fortification and road repair. KOSTER ECC Mortar is designed to be used in a range of temperatures and environmental conditions and to be applied in a range of thicknesses ranging from 0.25" upward.

Technical Data

Compressive Strength (28 Day) >4000 psi*
Working Time (70°F) Approx. 30 min.

* Tested at 5.25 quarts of water

Fields of Application

KOSTER ECC Mortar is designed to be used in either horizontal or vertical repair situations where high compressive strength and mechanical durability are required. Intended applications include: filling shear keys in bridges, inverted repairs for metal culverts, and other locations requiring a fiber reinforced engineered cementitious composite material.

Substrate

The surface to receive KOSTER ECC Mortar must be sound and solid, free of oil and grease, free of formwork separating agents, residual adhesive and cement residue. The material may be applied to all concrete substrates. The pull off strength of the substrate must be a minimum of 215 psi (ASTM C1583). Immediately before application, wet the substrate so that it is moist. Avoid standing water.

Application

Mixing:

Mix one 50 lb bag of KOSTER ECC Mortar with 4.5 - 5.25 quarts of potable water depending on desired consistency. DO NOT overwater.

Application:

KOSTER ECC Mortar may be applied to horizontal surfaces using a gauge rake, or to horizontal or vertical surfaces using a trowel. A textured roller or broom may be used as a finishing tool if desired.

Coverage

18.75 sq. ft. at 0.25" Thickness (approx.)

Dependent on application.

Approx. 0.5 cubic ft per bag.

Approx. 2.7 lb/sq ft per 1/4-in layer thickness of mortar

Cleaning

Clean tools immediately after use with water.

Storage

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

Safety

Consult Safety Data Sheet. Always wear proper personal protective equipment when handling this product.

Related products

KOSTER Betomor Multi A	Art.-Nr. C 500
KOSTER KB-FIX 1	Art.-Nr. C 511 015
KOSTER KB-FIX 5	Art.-Nr. C 515 015
KOSTER Turbo Mortar F	Art.-Nr. C 516 025
KOSTER Turbo Mortar M	Art.-Nr. C 517 025
KOSTER Repair Mortar NC	Art.-Nr. C 535 025
KOSTER Sewer and Shaft Mortar	Art.-Nr. C 590
KOSTER Repair Mortar	Art.-Nr. W 530 025
KOSTER Repair Mortar Plus	Art.-Nr. W 532 025

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 installer is responsible for the correct application taking into consideration the specific conditions of the construction site and 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 deviate from the specifications contained in any Company literature may not be relied upon in the absence of written confirmation from the Company. The installer must comply with all testing, technical requirement, guidelines, and industry customs at all times. The terms, conditions, and limitations contained in the written warranty for the product controls over the specifications contained herein. This guideline has been technically revised; all previous versions are invalid.