



KOSTER Repair Mortar NC

Fiber reinforced concrete repair and finishing mortar with high chemical and mechanical resistance

Features

KOSTER Repair Mortar NC is a fiber reinforced repair mortar and plaster with excellent workability. It has high adhesion to old and new mineral building material substrates. KOSTER Repair Mortar NC is characterized by high chemical and mechanical resistance and compressive strength. It is ideally used in substrate preparation for corrosion protection with KOSTER PSM or KOSTER Silicate Mortar in industrial chimneys, sewer systems, or other concrete structures that are exposed to low pH environments.

Technical Data

Compressive strength (7 days)	> 5000 psi
Compressive strength (28 days)	> 6500 psi
Flexural strength (7 days)	approx. 500 psi
Flexural strength (28 days)	approx. 650 psi
Max. layer thickness (as plaster)	2 in per layer
Working time (70° F)	Approx. 45 min.

Fields of Application

KOSTER Repair Mortar NC may be used for structural repair, touch up of voids, and leveling of concrete defects. The material is especially suited as a repair mortar for use in structural members that are exposed to high chemical and mechanical stresses, such as agricultural construction, chimneys with corrosive flue gas conditions, or wastewater applications.

Substrate

The surface 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. Absorptive and salt contaminated substrates are to be primed with KOSTER Polysil TG 500 at approximately 250 sq ft/gal.

Application

Mixing:

Mix one 55 lb bag of KOSTER Repair Mortar NC with 4.6 quarts of water. Add 3/4 of the liquid into a mixing vessel, then add the powder slowly while mixing with a slow rotating double paddle electrical mixer. Add the remaining liquid as needed during mixing to adjust to the desired consistency. Mix for at least 3 min until a homogeneous, lump-free consistency is reached. If applying the maximum layer thickness of 2 in. (5 cm), the surface should first receive a scratch coat of KOSTER Repair Mortar NC with 5% KOSTER SB Bonding Emulsion added to the mixing water. When spray applied, KOSTER Repair Mortar NC is mixed with 5.3 quarts of water per 55 lb bag.

Application:

Apply KOSTER Repair Mortar NC using customary mason tools and methods or suitable spraying equipment. A second layer can be applied after approx. 24 hours.

Coverage

Dependent on application.
Approx. 0.5 cubic ft per bag.
Approx. 5 lb/sq ft per 1/2-in layer thickness of plaster

Cleaning

Clean tools immediately after use with water.

Packaging

C 535 025 55 lb bag

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.

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.

Related products

KOSTER Mortar Boost	Art.-Nr. C 791 010
KOSTER Polysil TG 500	Art.-Nr. M 111
KOSTER SB Bonding Emulsion	Art.-Nr. W 710
KOSTER Peristaltic Pump	Art.-Nr. W 978 001

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 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.