



KOSTER KD 1 Base

Sealing slurry system component of the KOSTER KD System

Features

The KOSTER KD System stops active water ingress and seals against pressurized water from the negative side. It is resistant to salts and aggressive substances which are present in the ground. Salts will not detach the fully cured KOSTER KD System coating from the substrate. The system consists of 3 products:

KOSTER KD 1 Base

Fast curing mineral sealing slurry with excellent resistance to aggressive ground water and high water pressure.

KOSTER KD 2 Blitz

Highly reactive powder with extremely short setting time. With application of the powder, active water leaks are sealed in seconds.

KOSTER KD 3 Sealer

Extremely low viscosity silicifying liquid. The active ingredients penetrate into the substrate and react to form an insoluble compound. The pores are plugged and permanently sealed through the mineralization process.

Technical Data

KOSTER KD 1 Base

Density	13.35 lb/gal
Compressive strength (7 days)	> 1880 psi
Flexural tensile strength (7 days)	> 500 psi
Setting time (70° F, 65% RH)	Approx. 15 min.

KOSTER KD System

Waterproof, negative side	≥ 100 psi
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Fields of Application

The KOSTER KD System can be used for waterproofing against pressurized or non-pressurized water from the positive or negative side.

Substrate

The substrate must be sound, solid, and free of oil, paint, and loose particles. Plasters and similar products must be removed down to a solid base building material (masonry/concrete). Masonry joints must be raked out 3/4-in deep. Dry substrates must be wetted thoroughly before application. Fill holes and open joints with KOSTER Repair Mortar or KOSTER Waterstop. On porous concrete, CMU, or on soft brick, apply a sound plaster of KOSTER Repair Mortar.

Unsuitable substrates are:

- Lime-containing plasters
- Paint coatings
- Gypsum-based building materials

Application

After stopping any active leaks, the area can be waterproofed. Mix as much KOSTER KD 1 Base as can be applied within 10 minutes into a viscous, spreadable slurry. Approximately 1.85 gal of water are required per 50 pounds of KOSTER KD 1. Apply the slurry onto the

substrate using a brush. Immediately rub KOSTER KD 2 Powder into the fresh, moist slurry by hand until the surface is dry. Without waiting, brush on KOSTER KD 3 Sealer Liquid with a KOSTER Brush for liquids. Immediately afterwards and again after approx. 30 minutes, repeat application of the KOSTER KD 1 Base. The maximum allowable total thickness is 1/8-in.

For information on other uses for the KOSTER KD System, consult its Technical Data Sheet.

Coverage

Approx. 0.3-0.5 lb/sq ft

Cleaning

Clean tools immediately after use with water.

Packaging

W 211 006	13.2 lb bucket
W 211 015	33 lb bucket

Storage

Store in a cool, dry place.

Safety

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

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 KB-FIX 5	Art.-Nr. C 515 015
KOSTER Joint Sealant FS-V	Art.-Nr. J 231
KOSTER KB-Flex 200	Art.-Nr. J 250
KOSTER Restoration Plaster Grey	Art.-Nr. M 661 025

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.

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Waterproofing Systems

KOSTER Restoration Plaster White	Art.-Nr. M 662 025
KOSTER Restoration Plaster 2 White/Fast	Art.-Nr. M 663 030
KOSTER Restoration Plaster White/Light	Art.-Nr. M 664 025
KOSTER KD System	Art.-Nr. W 219
KOSTER KD 3 Sealer	Art.-Nr. W 313
KOSTER KD 2 Blitz Powder	Art.-Nr. W 512
KOSTER Repair Mortar	Art.-Nr. W 530 025
KOSTER Waterstop	Art.-Nr. W 540 015
KOSTER SB Bonding Emulsion	Art.-Nr. W 710

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