



Technical Data Sheet W 512

Issued: 10-21-16

W - Waterproofing systems

# Fast setting, highly reactive powder for sealing active leaks

## 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 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 2 Blitz Powder** 

## 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. <u>KOSTER KD 3 Sealer</u>

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 2 Blitz Setting time (sealing active leaks)

Approx 20 sec

## **Fields of Application**

The KOSTER KD System can be used for waterproofing against pressurized or non-pressurized water from the positive or negative side. KOSTER KD 2 Blitz by itself is used for sealing active leaks. It can also be used for face sealing or closing of cracks prior to the use of injection resins.

## Substrate

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

Unsuitable substrates are:

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

## Application

If active leaks (from dripping leaks to flowing water) are present, the flow of water must first be stopped with KOSTER KD 2 Blitz before the area waterproofing can be applied.

## Stopping active leaks:

In case of small active leaks where water slowly drips from the wall, rub

the KD 2 powder firmly onto the surface until the leakage is stopped. In areas with stronger leaks including an active water spout, a larger amount of KOSTER KD 2 is pressed into a ball between both hands, compressing as much air out as possible. Press the material firmly onto the leak. After a few seconds, the leak should be stopped. Wear smooth nitrile or latex gloves.

## Area waterproofing:

After stopping the active leaks, the surface can be waterproofed. Mix as much KOSTER KD 1 Base as can be applied in 10 minutes with water into a viscous, spreadable slurry. Approximately 1.85 gallons of water are required per 50 pounds of KOSTER KD 1 Base. Apply the slurry onto the substrate with a firm mason's brush. Immediately rub KOSTER KD 2 Blitz into the fresh, moist slurry by hand until the surface is dry. Without waiting, brush on KOSTER KD 3 Sealer with a brush. Immediately afterwards and again after approx. 30 minutes, repeat application of the KOSTER KD 1 Base. The maximum total thickness must be less than 1/8-in.

## Coverage

Approx. 0.2-0.4 lb/sq ft

# Cleaning

Clean tools immediately after use with water.

## Packaging

13.2 lb bucket
33 lb bucket
25 kg bag

## 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

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 herein. This guideline has been technically revised; all previous versions are invalid.

KOSTER AMERICAN CORPORATION | 2585 Aviator Drive | Virginia Beach, VA 23453 Phone (757) 425-1206 | Fax (757) 425-9951 | info@kosterusa.com | www.kosterusa.com



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 KOSTER Joint Sealant FS-V KOSTER KB-Flex 200 KOSTER Restoration Plaster 1 Grey KOSTER Restoration Plaster 2 White KOSTER Restoration Plaster 2 "Fast" KOSTER Restoration Plaster 2 "Light" KOSTER KD 1 Base KOSTER KD 1 Base KOSTER KD 3 Sealer KOSTER KD 3 Sealer KOSTER Repair Mortar KOSTER Waterstop KOSTER SB Bonding Emulsion Art.-Nr. C 515 015 Art.-Nr. J 231 Art.-Nr. J 250 Art.-Nr. M 661 025 Art.-Nr. M 662 025 Art.-Nr. M 663 030 Art.-Nr. M 664 025 Art.-Nr. W 211 Art.-Nr. W 219 036 Art.-Nr. W 219 036 Art.-Nr. W 313 Art.-Nr. W 530 025 Art.-Nr. W 540 015 Art.-Nr. W 710

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