



KÖSTER KD 3 Sealer

Low viscosity, deeply penetrating silicifying liquid hardener. System component 3 of the KÖSTER KD System

Features

The environmentally friendly KÖSTER KD System stops active water ingress and safely seals off pressurized water from the negative side. It is resistant to salts which are harmful to the building structure and to aggressive substances which are present in the ground. Salts will not detach the fully cured KÖSTER KD System coating from the substrate.

The system consists of 3 products:

KÖSTER KD 1 Base

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

KÖSTER KD 2 Blitzpowder

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

KÖSTER KD 3 Sealer

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

Technical Data

KÖSTER KD 1 Base

Density of the fresh mortar	1.6 kg / l
Compressive strength (7 days)	> 13 N / mm ²
Flexural tensile strength (7 days)	> 3.5 N / mm ²
Setting time (+ 20 °C, 65 % rel. humidity)	approx. 5-15 min.

KÖSTER KD 2

Setting time (when sealing active leaks)	approx. 20 sec.
Largest aggregate size	∅ 0,2 mm

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ensity (+ 20 °C) Blitzpowder	1.2 g / cm ³
Reaction time (+ 20 °C, 65 % relative humidity)	2 - 3 hours

KÖSTER KD System

Waterproof against pressurized water up to 7 bar (negative side) water

Fields of Application

For waterproofing basements from the inside, waterproofing manholes, as well as for all other waterproofing against non-pressurized and pressurized water from the positive or the negative side on mineral substrates.

KÖSTER KD 2 can also be used for sealing and closing cracks prior to the use of injection resins.

Substrate

The substrate must be sound and solid, free of oil and paint as well as

free of loose particles. Screed, plasters, and the like must be removed down to a solid material base, (masonry/concrete). Masonry joints must be raked out 2 cm deep. Dry substrates must be wetted thoroughly repeatedly prior to the beginning of the system application. Fill holes and open joints with KÖSTER Repair Mortar or with KÖSTER Waterstop.

On porous concrete, Autoclaved Aerated Concrete, or on soft brick, a sound plaster made of KÖSTER Repair Mortar has to be applied. Unsuitable substrates are:

- plasters containing lime,
- paint coatings,
- building materials containing gypsum.

Application

The three components of the KÖSTER KD System are applied according to the instructions below in case of area waterproofing against pressurized water from the negative side. If active leaks (from dripping leaks to flowing water) have to be waterproofed, first the flow of water has to be stopped before the area waterproofing can be applied. For this purpose, KÖSTER KD 2 can be used.

Stopping active leaks

Depending on the intensity of the active leak, a sufficient amount of dry powder is applied by hand directly to the active leak without adding any extra water. In case of small active leaks where water slowly drips from the wall, the powder is rubbed firmly onto the surface until the leakage is stopped.

In areas with stronger leaks including an active water spout, a larger amount of KÖSTER KD 2 is pressed into a ball between both hands, compressing as much air out as possible.

The "ball" is firmly pressed onto the leak. After a few seconds the leak should be stopped.

We suggest using smooth rubber gloves when processing KÖSTER KD 2.



Leaks... ..stopped.... ..in seconds!

After stopping the active leaks, the area can be waterproofed. Mix as much KÖSTER KD 1 Base as can be applied within 5-10 minutes with water into a viscous, spreadable mass (slurry). Apply



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 proper and thereby effective and successful application of our products is not subject to our control. The installer is responsible for the correct application under consideration of the specific conditions of the construction site and for 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 exceed the specifications contained in this technical guideline require written confirmation. The valid standards for testing and installation, technical guidelines, and acknowledged rules of technology have to be adhered to at all times. The warranty can and is therefore only applied to the quality of our products within the scope of our terms and conditions, not however, for their effective and successful application. This guideline has been technically revised; all previous versions are invalid.

