




## KÖSTER BD 50 Primer

Technical Data Sheet B 190 005

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- Test report 857/18/SG from the "Institute of Ceramics and Building Materials" Krakau, Poland according to DIN EN 14891

## Deeply penetrating bonding agent for waterproofing with the KÖSTER BD 50 System

	<b>KÖSTER BAUCHEMIE AG</b> Dieselstraße 1-10, 26607 Aurich 18 B 290 <b>DIN EN 14891:2012 DM</b> Liquid applied water impermeable product for external installations on walls and floors, beneath ceramic tiling
Initial tensile adhesion strength	≥ 0,5 N/mm <sup>2</sup>
Tensile strength after contact with water	≥ 0,5 N/mm <sup>2</sup>
Tensile adhesion strength after heat aging	≥ 0,5 N/mm <sup>2</sup>
Tensile adhesion strength after freeze-thaw cycles	≥ 0,5 N/mm <sup>2</sup>
Tensile adhesion strength after contact with lime water	≥ 0,5 N/mm <sup>2</sup>
Crack bridging ability	≥ 0,75 mm
Waterproofing	No penetration

### Features

KÖSTER BD 50 Primer is a water-dilutable, low viscous primer on styrol-butadien basis. KÖSTER BD 50 Primer reduces the absorbency of mineral substrates. KÖSTER BD 50 Primer is solvent-, plasticizer- and filler-free. KÖSTER BD 50 Primer is water-resistant which means that after the application it does not wash off or rain off.

### Technical Data

Application temperature	min + 5 °C
Density	1.03 g / cm <sup>3</sup>
Surface	clear, slightly sticky
Application of next layer	after approx. 1-2 hours

### Fields of Application

KÖSTER BD 50 Primer is designed for application on dry or moist absorbent substrates. It reduces the absorbency of the substrate and increases its strength. It is transparent after drying. The surface is slightly sticky. KÖSTER BD 50 Primer is the primer for KÖSTER BD 50 as part of the KÖSTER BD System certified according to DIN EN 14891.

### Substrate

Suitable substrates include, masonry, plasters, plywood, gypsum plaster boards and cement boards -, anhydrite- and magnesite screeds and all kinds of ceramic coverings. The surface has to be dry, solid, supportive and level as well as free of oil, grease, dust, and other separating layers. Residual adhesives and paint as well as any loose plaster or masonry must be removed. We recommend roughening of non-absorbent surfaces such as glazed tiles by sanding prior to the application of the waterproofing coat.

Defects up to 5 mm must be filled in advance with KÖSTER BD 50, defects over 5 mm are leveled flush with the surface in advance with KÖSTER WP Mortar. Substrates must be primed in advance with approx. 50 - 150 g/m<sup>2</sup> (depending on the absorbency of the substrate) of KÖSTER BD 50 Primer. After applying the primer, wait approx. 1 - 2 hours before applying KÖSTER BD 50.

### Application

KÖSTER BD 50 Primer can be applied by brush or it can be sprayed on. During curing, the surrounding and substrate temperature must not fall below + 5 °C. The primer coating can be walked on after 1-2 hours and the next layer can also be applied after 1-2 hours (surrounding temperature: approx. + 20 °C)

### Consumption

approx. 50 - 150 g/m<sup>2</sup>; depending on the substrate

Approx. 50 g / m<sup>2</sup> on lightly absorptive substrates (Pre-cast concrete, fiber cement boards, cement screeds, etc.)

Approx. 150 g / m<sup>2</sup> on highly absorptive substrates (Lime sandstone, light weight concrete, gypsum plasters, etc.)

### Cleaning

Clean tools immediately after use with water.

### Packaging

B 190 005 5 kg jerrycan

### Storage

Store the material cool but frost free. In originally sealed packages it can be stored for a minimum of 12 months.

### Safety

Wear protective goggles when processing the material. Observe all governmental, state, and local safety regulations when processing the material. For Material Safety Data Sheet scan QR-code on label or contact technical support.

### Related products

KÖSTER BD 50	Prod. code B 290 010
KÖSTER BD 50 Contrast	Prod. code B 490 500
KÖSTER BD Flexible Tile Adhesive	Prod. code B 540 025
KÖSTER BD Flex Tape K 120	Prod. code B 931
KÖSTER BD Inside Corner	Prod. code B 932 001
KÖSTER BD Outside Corner	Prod. code B 933 001
KÖSTER BD Wall Sleeve	Prod. code B 934 001
KÖSTER BD Floor Sleeve	Prod. code B 935 001
KÖSTER Superfleece	Prod. code W 412
KÖSTER WP Mortar	Prod. code W 534 025

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 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.