



# KOSTER BD 50

Technical Data Sheet B 290 010

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## Solvent-free elastic waterproofing for use under tile

### Features

KOSTER BD 50 is a ready-for-use, solvent-free, and easy to spread sealing compound for waterproofing surfaces under tile and/or coverings in damp and wet rooms. Once applied, it cures to a highly flexible, waterproof synthetic membrane which is highly elastic and crack-bridging. All customary solvent-free tile adhesives may be applied on top of KOSTER BD 50. The tile may be laid in mortar using the thick-bed or the standard thinset method.

### Technical Data

Density	Approx. 93.6 pcf
Application temperature	> 40° F
Dry time (1st coat)	Approx. 3 hrs
Wet layer thickness (1st and 2nd coat)	20 mils (0.5 mm)
Drying time before laying tile	Approx. 20 hrs
Tensile strength	> 305 lbs
Elongation at break	220% at 75° F

### Fields of Application

KOSTER BD 50 forms an excellent seamless and joint-less waterproofing under tile and floor coverings on wall and floor areas in damp and wet rooms, such as shower rooms, bathroom, or car washes. KOSTER BD 50 is the waterproofing layer under tile as part of the KOSTER BD 50 System.

### Substrate

The substrate to receive KOSTER BD 50 must be sound, dry and clean, free of oil and grease, slip-proof, stable, solid, and level. Substrates containing salts require priming with KOSTER Polysil® TG 500 (coverage: approx. 330-420 sq ft/gal). All other substrates are primed with KOSTER BD Primer. In both cases, KOSTER BD 50 may be applied after approx. 3 hours of waiting time. Suitable substrates are concrete, masonry, cementitious plasters, porous concrete, fiber boards, gypsum, gypsum plaster boards, gypsum fiber boards, anhydrite or magnesite based screeds, and all kinds of ceramic coverings.

### Application

Stir KOSTER BD 50 well prior to installation. Apply by brush or roller. It is recommended that non-absorbent surfaces be roughened by sanding prior to installation. Corners and wall/floor junctions require additional application of KOSTER BD Flex Tape K 120 with the first coat. Apply a second coat over protruding edges of the mesh. Approx. 20 hours after the second coating has been installed, tile may be laid.

### Coverage

Per coat: approx. 0.1 lb/sq ft  
 When applying the material using a roller, multiple coats are necessary.  
 Total coverage: approx. 60 sq ft/gal (0.2 lb/sq ft)

### Cleaning

Clean all mixing and application equipment with water immediately after use.

### Packaging

B 290 010 1.8 gal bucket

### Storage

Store in a cool, dry area. Protect from freezing. In original unopened container, the material may be stored for approx. 1 year.

### 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 BD 50 Primer	Art.-Nr. B 190 005
KOSTER BD Flexible Tile Adhesive	Art.-Nr. B 540 025
KOSTER BD Flex Tape K 120	Art.-Nr. B 931
KOSTER BD Inside Corner	Art.-Nr. B 932 001
KOSTER BD Outside Corner	Art.-Nr. B 933 001
KOSTER BD Wall Sleeve	Art.-Nr. B 934 001
KOSTER BD Floor Sleeve	Art.-Nr. B 935 001
KOSTER Polysil TG 500	Art.-Nr. M 111
KOSTER SB Bonding Emulsion	Art.-Nr. W 710

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.