




## KÖSTER BD Flexible Tile Adhesive

Technical Data Sheet B 540 025

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- CE-certified according to ETAG 022 as part of the KÖSTER BD System

### Single component mineral flexible adhesive for all mineral materials in construction

 2007-CPR-E.4241-I/2013	<b>KÖSTER BAUCHEMIE AG</b> Dieselstraße 1-10, 26607 Aurich 09 B 540 ETAG 022-1 <b>Watertight membrane in                  combination with covering for                  wet areas</b> ETA-09/0199
Crack bridging ability Bond strength Joint bridging ability Water tightness around penetrations Resistance to temperature Resistance to water Resistance to alkalinity	Category 1: 0.4 mm Category 2: $\geq 0.5$ Mpa Category 2: watertight Category 2: watertight  Category 2: $\geq 0.5$ Mpa Category 2: $\geq 0.5$ Mpa Category 2: $\geq 0.5$ Mpa

similar tools. The readily mixed product is applied in a layer thickness between 2 and 5 mm.

#### Consumption

Approx. 1.7 kg / m<sup>2</sup>; per mm layer thickness  
 With 4 mm trowel: approx. 3.4 kg / m<sup>2</sup>  
 With 6 mm trowel: approx. 5.1 kg / m<sup>2</sup>  
 With 8 mm trowel: approx. 6.8 kg / m<sup>2</sup>

#### Cleaning

Clean tools immediately after use with water.

#### Packaging

B 540 025 25 kg bag

#### Storage

Store the material dry and frost free; in originally sealed packages, it can be stored for a minimum of 6 months.

#### Features

KÖSTER BD Flexible Tile Adhesive is a universally applicable single component mineral flexible adhesive with very good adhesion to all mineral materials.

#### Technical Data

Bulk density	1.7 g / cm <sup>3</sup>
Colour	grey
Compressive strength (28 days)	> 20 N / mm
Flexural tensile strength (28 days)	> 4 N / mm <sup>2</sup>
Adhesive tensile strength (after 28 days)	> 1 N / mm <sup>2</sup>

#### Fields of Application

KÖSTER BD Flexible Tile Adhesive is intended to be used as adhesive for tile as part of the KÖSTER BD System which is certified according to ETAG 022. KÖSTER BD 20 Flexible Tile Adhesive is intended for bonding of all mineral building materials (sand-lime brick, light weight building blocks, tile, ceramics etc. It is not intended for direct application on gypsum substrates.

#### Substrate

In the KÖSTER BD System which is certified according to ETAG 022, KÖSTER BD Flexible Tile Adhesive is applied on top of the KÖSTER BD 50 waterproofing layer. The substrate has to be dry and clean, free of oil and grease and other substances which inhibit adhesion, non-slippery, sound and solid, formstable and level.

#### Application

One 25 kg bag of KÖSTER BD Flexible Tile Adhesive is mixed with approx. 6 l of clean potable water, depending on the desired consistency. First, put the required amount of water into a clean mixing vessel. Then, add the powder in portions to the liquid while continually mixing with a slow rotating mechanical mixing device (max. 400 rpm) until a homogenous, lump and knot free consistency is reached. The fresh mortar is applied with a spatula, a trowel, a toothed trowel or

#### Safety

Avoid eye contact. Wear protective goggles when processing the material. Observe all governmental, state, and local safety regulations when processing the material.

#### Related products

KÖSTER BD 50 Primer	Prod. code B 190 005
KÖSTER BD 50	Prod. code B 290 010
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

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.

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B - Bathroom and wet room waterproofing