




## KÖSTER BD Flexible Tile Adhesive

Technical Data Sheet B 540 025

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- tested according to DIN EN 14891 as part of the KÖSTER BD System

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

	<b>KÖSTER BAUCHEMIE AG</b> Dieselstraße 1-10, 26607 Aurich 18 B 290 <b>DIN EN 14891:2112 DM</b> <b>Liquid applied water</b> <b>impermeable products for use</b> <b>beneath ceramic tiling bonded</b> <b>with adhesives</b>
Initial tensile bond strength	≥ 0,5 N/mm <sup>2</sup>
Tensile bond strength after contact with water	≥ 0,5 N/mm <sup>2</sup>
Tensile bond strength after warm storage	≥ 0,5 N/mm <sup>2</sup>
Tensile bond strength after freeze/thaw alternating cycles	≥ 0,5 N/mm <sup>2</sup>
Tensile bond strength after contact with cold water	≥ 0,5 N/mm <sup>2</sup>
Crack bridging under standard conditions	≥ 0,75 mm
Impermeability	No water penetration

7.0 - 7.5 liter Water per 25 kg bag

8.4 - 9.0 liter water per 30 kg bag

The amount of water added can be adjusted to achieve 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 similar tools. The readily mixed product is applied in a layer thickness between 2 and 5 mm.

#### Aftertreatment

Curing can be aided by covering the hardened material with polyethylene sheets. This reduces surface shrinkage tension especially when the material has been applied in thick layers.

#### Consumption

Approx. 1.7 kg / m<sup>2</sup>; per mm layer thickness

At an application angle of 60°:

With 4 mm trowel: approx. 2.3 kg / m<sup>2</sup>

With 6 mm trowel: approx. 3.4 kg / m<sup>2</sup>

With 8 mm trowel: approx. 4.5 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 period of 6 months.

#### 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

#### 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>
Color	grey
Compressive strength (28 days)	> 15 N / mm <sup>2</sup>
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 DIN EN 14891. KÖSTER BD Flexible Tile Adhesive is intended for bonding on 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 DIN EN 14891, 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

Mixing:

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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