

KÖSTER® BD 50

Elastic and solvent free coating for wet – and damprooms

- Official Test Certificate of MPA Dresden acc. To ZDB

Product Description:

Turkish product name > KÖSTER BD 50

KÖSTER BD 50 is a one component, ready to use, solvent free, brushable coating for under tile applications in wet and damprooms.

The coating cures to a seamless membrane with high elasticity and crackbridging properties.

Subsequent tile coatings can be applied with regular cement based adhesives and have very good adhesion strength on the KÖSTER BD 50 layer.

Applications:

- Floor or wall applications in bathrooms, showers and kitchens, car washing areas etc.
- Interior or exterior applications are possible
- Concrete, plaster, masonry, brickwork, gypsum boards, cement fiber boards, old ceramic surfaces (must be sanded) surfaces are suitable

Technical Data:

Application temperature	+5°C to +30°C
Color	concrete gray
Viscosity	app. 3500 mPa.s
Density	app. 1,55 g / cm ³
Water vapor permeability	7,6 g / m ² day
CO ₂ permeability	0,4 g / m ² day
Equivalent air layer thickness S _d	2,50 m
Tensile strength	1,70 – 1,80 N / mm ² (+23 °C)
Elongation at break	% 400 (+23 °C)



Coverage:

Varies according to the texture and porosity of the substrate on which it is applied and application technique used. Coverage is usually in the range of 15 – 20 m² per 25 kg pail (1,2 – 1,5 kg/m²) in at least 2 layers. The best way to accurately estimate coverage is to test a pre-measured area using the substrate type and application methods for the job in question.

Properties:

Drying Time - Will vary according to temperature, humidity, and porosity of surface coated. Under average conditions [20 °C, 50% R.H.], KÖSTER BD 50 is sufficiently dry for application of new ceramic finish in 24 hours.

Instructions:

Job Conditions - Air and surface temperature for application of KÖSTER BD 50



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must be 5 °C to 30 °C and must remain so for a minimum of 24 hours.

Temporary Protection - Shall be provided at all times until the material is fully cured.



Surface Preparation - Surfaces shall not be below 5 °C and must be clean, dry, structurally sound and free of efflorescence, grease, oil, form release agents and curing compounds. On painted surfaces, remove all blistered or peeling paint to a sound substrate. Remove all gloss by sanding.

Primer – Porous surfaces can be primed with KÖSTER Polysil TG 500 (apr. 130 g/m²). Non porous surfaces must be primed with a solution of KÖSTER BD 50 (2 parts water + 1 part BD 50). Primer consumption is apr. 150 g/m².

Subsequent layers - Apply at least 2 (unthinned) layers by brush, roller or airless spray. Wait until tack free between coats (at least 24 hours). Do not apply layers thicker than 0,5 mm in a single coat.

Consumption:

As a primer app. 100 g / m²

As a layer of insulation (2-3 layers) 1,20 – 1,50 kg / m²

Packaging:

KÖSTER BD 50

25 kg plastic pail



Cleaning of tools:

Clean tools with water while KÖSTER BD 50 is still wet.

Notes:

- Do not apply below 5 °C or if temperatures below 5 °C are expected within 24 hours.
- Do not apply on wet or frozen surfaces
- Do not apply on dusting or weak surfaces. If in doubt, perform adhesion test.

Storage:

KÖSTER BD 50 must be stored at 5 °C to 30 °C in tightly sealed containers. Keep out of direct sunlight.

Shelf Life:

12 months.

Caution:

Avoid contact with skin and eyes. Wear suitable protective clothing, gloves and eye / face protection. After contact with skin, wash immediately with plenty of water and soap. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. For additional references to safety-hazard warnings, regulations regarding the transport and waste management please refer to the relevant Material Safety Data Sheet.

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KÖSTER BAUCHEMIE AG Dieselstraße 3 26607 Aurich Deutschland
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ETA-09/0199 ETAG 022 Teil 1 Abdichtung im Verbund mit einer Nutzschicht für die Verwendung in Nassbereichen Klassifikation des Systems und deklarierte Produkt- und Systemeigenschaft siehe Anhang 1 der ETA-09/0199

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KÖSTER YAPI KİMYASALLARI İNŞ. SAN. ve TİC. A.Ş. GEBKİM Kimya İhtisas OSB Atatürk Bulvarı No: 6 41455 DİLOVASI / KOCAELİ
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1020 - CPR - 040 051989 DOP NO: 007 EN 1504-2 KÖSTER BD 50 Elastic and solvent free coating for wet - and damprooms Coating application (C) 2.2
Permeability to water vapour
Class II
Capillary absorption and permeability to water
$W < 0,1 \text{ kg/m}^2 \cdot \text{h} \cdot 0,5$
Pull-off
Coat cohesion or flexible systems without mortar test: $> 0,5 \text{ N/mm}^2$ (0,02)
Response to Fire
Ds1,d0
Dangerous Materials
Materials 5.3 appropriate

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