



## KÖSTER SB Bonding Emulsion

### Elasticizing synthetic-dispersion for universal use in mortars, plasters, sealing slurries, and concrete

#### Features

KÖSTER SB Bonding Emulsion is a universally usable synthetic liquid for all cementitious mortars, plasters, and sealing slurries. KÖSTER SB Bonding Emulsion is solvent, plasticizer, and filler-free. When added to mineral based systems, the synthetic liquid increases elasticity and flexibility and reduces water absorption.

KÖSTER SB Bonding Emulsion is waterproof which means that after its application it can neither be washed nor rained off.

#### Technical Data

Dry matter content	approx. 44 ± 1 %
pH-value	10.5 - 11.5
Viscosity	< 100 mPa·s
Specific gravity	approx. 1.00 g/cm <sup>3</sup>
Elongation at break	approx. 700 %
Breaking load	approx. 4.0 N / mm <sup>2</sup>
Application temperature	+ 2 °C to + 35 °C

#### Fields of Application

KÖSTER SB Bonding Emulsion can be used in all cases in which a good bond between mortars, plasters, sealing slurries, concrete and existing mineral substrates has to be achieved. As an additive to mineral systems, the synthetic additive causes a strong increase in flexibility and elasticity and at the same time a reduction of the water absorption. Due to the synthetic additive, cured mortars and plasters become considerably more resistant to frost, salts, and other aggressive substances. Additionally, KÖSTER SB-Bonding Emulsion improves the application properties and workability of fresh mortars.

#### Substrate

Remove dust and loose particles. Oil polluted and very dirty substrates have to be cleaned using suited cleaning agents and residues have to be rinsed off. If necessary, the substrate has to be ground, sand- or shot blasted. Avoid standing water on pre-wetted substrates.

#### Application

Depending on the requirements, replace 5 - 33% of the mixing water with KÖSTER SB-Bonding Emulsion.

For KÖSTER NB 1 Grey (Total of 8 l mixing water)  
1.0-2.0 l KÖSTER SB Bonding Emulsion plus 6.0-7.0 l water

For KÖSTER Repair Mortar NC (Total of 4.2 l mixing water)  
0.2 l KÖSTER SB Bonding Emulsion plus 4.0 l water

For KÖSTER Repair Mortar (Total of 4.0 l mixing water)  
1.0 l KÖSTER SB Bonding Emulsion plus 3.0 l water

As an additive to mortars and concrete (for 10 l mixing water)  
1.0 l-2.0 l KÖSTER SB Bonding Emulsion plus 8.0-9.0 l water

As a cementitious bonding bridge (for 3 l mixing water)  
1.0 l KÖSTER SB Bonding Emulsion plus 2.0 l water

For a plaster key made of KÖSTER Restoration Plaster (for 4.0 l mixing water)  
1.0 l KÖSTER SB Bonding Emulsion plus 3.0 l water

#### Aftertreatment

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

#### Consumption

Replaces 5 - 33% of mixing water  
The required mixing water for each material is given in its respective Technical Data Sheet.

#### Cleaning

Clean tools immediately after use with water.

#### Packaging

W 710 005	5 kg jerrycan
W 710 010	10 kg jerrycan

#### Storage

Store the material cool and frost-free. In originally sealed canisters it can be stored for a minimum of 2 years.

#### Safety

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

#### Related products

KÖSTER Repair Mortar NC	Prod. code C 535 025
KÖSTER Restoration Plaster Grey	Prod. code M 661 025
KÖSTER Restoration Plaster White/Fast	Prod. code M 663
KÖSTER Restoration Plaster White/Light	Prod. code M 664 020
KÖSTER Restoration Plaster Grey/Light	Prod. code M 666 020
KÖSTER NB 1 Grey	Prod. code W 221 025
KÖSTER Repair Mortar	Prod. code W 530 025

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 application 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.