

KÖSTER NB 4000

technical guideline / Article Nr.

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3.036

Two component, mineral thick film sealant. Quickly rain and waterproof.

Features

KÖSTER NB 4000 is a polymer modified, mineral coating for waterproofing building structures inside and outside. It is resistant to rain soon after its application and can be exposed after 24 hours of curing time to pressurized water. It is elastic and crack bridging.

Technical data

Color	grey
Solids	approx. 90 % by weight
Density (20 °C)	0.95 g / cm ³
Application temperature	+ 2 °C to + 30 °C

Field of application

KÖSTER NB 4000 is suited for waterproofing building structures inside and outside, especially in the restoration of buildings.

Substrate

The substrate must be dry or slightly moist. It must be clean, free of oil and grease and free of loose particles. Damaged concrete or plaster areas as well as cracks and holes with a depth of more than 5 mm are to be repaired with KÖSTER Repair Mortar beforehand.

Substrates contaminated with salts must be pretreated with KÖSTER Polysil TG 500.

Mixing

Fill the liquid component into a mixing vessel which is large enough to accommodate the liquid and the powder component. Add the powder component to the liquid component in portions while continually mixing with a double paddle slow rotating electrical mixer. Mix both components intensively until a homogeneous, paste-like, lump-free consistency is reached. Minimum mixing time is 3 minutes.

Application

KÖSTER NB 4000 is applied in 2 coats by trowel. The second coat is to be applied as soon as can be done so without damaging the first coat. The layers must be free of defects, even and in the recommended layer thickness. The actual dry layer thickness

must not be less than the recommended minimum and must not exceed it by more than 100 %. Areas prone to or in danger of cracking should be imbedded with KÖSTER Flex Fabric in the first layer. The area waterproofing of the wall must be overlapped at least 10 cm onto the front of the floor slab or the foundation. The external waterproofing must be connected to the existing horizontal waterproofing in all areas. Protect the fresh coating from rain and frost, from exposure to water as well as strong sunlight until the coating has fully cured. Provide a mechanical protection (KÖSTER SD Protection and Drainage Sheet) before backfilling.

Consumption

Approx. 3.0 -4.5 kg/m²

Dry layer thickness 3.0 mm:

Wet layer thickness 3.2 mm; consumption: 3 kg / m²

Dry layer thickness 4.0 mm:

Wet layer thickness 4.5 mm; consumption: 4,3 kg / m²

Cleaning of tools

Clean tools immediately after use with water.

Packaging

Powder component: 15 kg bag

Liquid component: 15 kg pail

Storage

Store the material cool but frost free. In originally sealed packages, it can be stored for 12 months.

Technical guidelines cited

KÖSTER Polysil® TG 500	Art. Nr.	4.011
KÖSTER Repair Mortar	Art. Nr.	5.030
KÖSTER Protection and Drainage Sheet	Art. Nr.	11.40
KÖSTER Flex Fabric	Art. Nr.	11.05

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.