

KÖSTER NB 2 White

Technical guideline / Article number **3.022**
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White, mineral waterproofing resistant to pressurised water

Features

KÖSTER NB 2 White is a mineral coating which can be used for waterproofing against ground moisture, non-pressurised and pressurised water. Waterproofing undertaken with KÖSTER NB 2 White is characterised by excellent resistance to pressure and abrasion as well as excellent resistance to chemicals.

The material should only be applied on building structures on which crack development is not expected.

The addition of KÖSTER SB-Bonding Emulsion to the mixing water or the use of KÖSTER NB 1 Flex raises the ability of the material to retain water and thus it prevents, in cases of unfavourable weather-conditions (warm, dry, drought), a premature curing of the coating. KÖSTER SB-Bonding Emulsion also introduces flexibility to the material.

Technical data

Density of fresh mortar	1.46 kg / l
Compressive strength (7days)	> 5.0 N / mm ²
Compressive strength (28 days)	> 15.0 N / mm ²
Flexural tensile strength (7 days)	> 1.8 N / mm ²
Flexural tensile strength (28 days)	> 3.0 N / mm ²
Adhesive tensile strength	> 1.0 N / mm ²
Pot life	approx. 2 hours
Resistant to foot traffic	after approx. 2 days
Full cure	after approx. 2 weeks

Field of application

KÖSTER NB 2 White is ideal for waterproofing of visible surfaces against pressurised water, such as horizontal and vertical concrete and masonry or cement plaster. It can be used to seal wetrooms, bathrooms, showers, new basements, tanks, manholes, etc..

Substrate preparation

The mineral substrate has to be sound and solid as well as free of grease and oil. Dusty or salt-damaged substrates must be primed with KÖSTER Polysil® TG 500 and prepared with KÖSTER NB 1 Grey (Consumption: approx. 2 kg / m²). All other mineral substrates are wetted so that the surface is matt moist.

Application

The material must be mixed using a slow rotating mixer whereby the powder should be added to the mixing water. The material is applied in at least two coats with a brush or a suited spraying device. Make sure that the coating is not exposed to heat, frost and strong wind impact during the application and for at least 24 hours afterwards.

A 25 kg bag of KÖSTER NB 2 White is mixed with:

8 l of water plus 1 to 2 l KÖSTER SB Bonding Emulsion or KÖSTER NB 1 Flex liquid additive.

Consumption

Minimum 3 kg / m² (2 coats)
Maximum 5 kg / m² (2-3 coats)

Cleaning of tools

Immediately after use with water

Packaging

25 kg bag

Storage

Store the material dry. In originally sealed packages, it can be stored for approx. 12 months.

Safety precautions

Wear protective gloves and goggles during processing of the material.

Technical guidelines cited:

KÖSTER SB Bonding Emulsion	Art.-No.	2.11
KÖSTER NB 1 Grey	Art.-No.	3.021
KÖSTER NB 1 Flex	Art.-No.	3.0211
KÖSTER Polysil® TG 500	Art.-No.	4.011

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.