



Technical Data Sheet W 222 025

Issued: 2022-05-02

<u> W - Waterproofing systems</u>

KÖSTER NB 2 White

Test Report Nr. 132028, Croation Intitute of Public Health - sample meets requirements according to ISO 11885:2010 and ISO 1484:2002 Hygienic Certificate HK/W/0040/01/201 for drinking water applications, Zaklad National Institute of Hygiene

White, mineral waterproofing resistant to pressurized water

Features

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

Waterproofing with KÖSTER NB 2 White should only be carried out on substrates that are free of moving cracks. Moving cracks should be considered construction joints and treated accordingly with KÖSTER Joint Tape, KÖSTER Injection Resins, or KÖSTER Joint Sealant FS. KÖSTER SB-Bonding Emulsion introduces flexibility to the material.

Advantages

- positive and negative side waterproofing against pressurized water

- does not contain corrosion promoting ingredients

- no VOC, no emissions of environmentally harmful ingredients

 works also on masonry and on very porous substrates like shotcrete, aerated concrete and cinderblock

- substrate does not have to be continually kept wet to cure

- inhibits salt movement in the substrate when used as a system together with KÖSTER Polysil TG 500 $\,$

- easy application, long pot life

- seamless application

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 therefore reduces the risk of premature drying in case of unfavorable weather conditions such as wind, sun, and heat. KÖSTER SB Bonding Emulsion also introduces flexibility to the material and improves the workability.

Technical Data

| Density of fresh mortar | 1.46 kg / l |
|-------------------------------------|----------------------------|
| Max. aggregate size | approx. 0.4 mm |
| 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 |
| | |

Fields of Application

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

Substrate

The mineral substrate has to be sound and solid as well as free of grease and oil. Dusty or salt burdened substrates must be primed with KÖSTER Polysil TG 500. 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 or 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 | of clean water
- 6 I of water plus 2 I KÖSTER SB Bonding Emulsion or
- 9 kg of KÖSTER NB 1 Flex liquid additive.

Aftertreatment

In case the substrate sucks the water from the freshly applied material too quickly or it dries prematurely from sun, wind, or heat, mist spray the KÖSTER NB 2 White so that it remains dark.

Consumption

Approx. 3 - 5 kg/m²

Cleaning

Clean tools immediately after use with water.

Packaging

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25 kg bag

Storage

Store the material in a dry environment. In originally sealed packages, the material can be stored for a minimum of 12 months.

Safety

Wear protective gloves and goggles when processing the material. Observe all governmental, state, and local safety regulations when processing the material.

Related products

| KÖSTER Polysil TG 500 | Prod. code M 111 |
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| KÖSTER Restoration Plaster Grey | Prod. code M 661 025 |
| KÖSTER Restoration Plaster White | Prod. code M 662 025 |
| KÖSTER Restoration Plaster White/Fast | Prod. code M 663 |
| KÖSTER Restoration Plaster White/Light | Prod. code M 664 020 |
| KÖSTER NB 1 Grey | Prod. code W 221 025 |
| KÖSTER Repair Mortar | Prod. code W 530 025 |
| KÖSTER SB Bonding Emulsion | Prod. code W 710 |
| KÖSTER NB 1 Flex | Prod. code W 721 |
| KÖSTER SD Protection and Drainage | Prod. code W 901 030 |
| Sheet 3-400 | |
| KÖSTER Brush for slurries | Prod. code W 913 001 |
| KÖSTER Peristaltic Pump | Prod. code W 978 001 |
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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 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.

KÖSTER BAUCHEMIE AG • Dieselstraße 1-10 • D-26607 Aurich • Tel. 04941/9709-0 • Fax -40 • info@koester.eu • www.koester.eu