![KÖSTER Waterproofing Systems]

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 / mm²
Compressive strength (28 days)	> 15.0 N / mm²
Flexural tensile strength (7 days)	> 1.8 N / mm²
Flexural tensile strength (28 days)	> 3.0 N / mm²
Adhesive tensile strength	> 1.0 N / mm²
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 l of clean water
- 6 l of water plus 2 l 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

W 222 025	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
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 Sheet 3-400	Prod. code W 901 030
KÖSTER Brush for slurries	Prod. code W 913 001
KÖSTER Peristaltic Pump	Prod. code W 978 001

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