



KOSTER NB 4000

Technical Data Sheet W 236 020

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Two component, crack bridging, viscoplastic mineral thick film sealant

Features

KOSTER NB 4000 is a polymer-modified mineral coating for waterproofing the insides and outsides of building structures. It is resistant to rain shortly after application, and can be exposed to pressurized water after 24 hours. It is viscoplastic and crack bridging. KOSTER NB 4000 contains no bitumen, is UV-stable, and can be used for adhering insulation boards. It can be applied to slightly moist substrates, and can be painted and stuccoed over with foundation base plasters.

Technical Data

Color	Grey
Solids content	Approx. 90% by weight
Density (70°F)	7.92 lb/gal
Application temperature	35 - 90°F
Working time	Approx. 45 min.
Rain resistant after	Approx. 4 hours

Fields of Application

KOSTER NB 4000 is suited for waterproofing the inside and outside of building structures, especially in restoration of buildings. It can be applied over old bituminous or mineral waterproofing layers, and can be modified with silica sand to make a scratch coat or filler.

Substrate

The substrate can be dry or slightly moist. It must be clean, free of oil and grease, and free of loose particles. Repair damaged concrete, plaster areas, and cracks and holes deeper than 3/16-in (5 mm) with KOSTER Repair Mortar before installation. Prime weak or salt contaminated substrates with KOSTER Polysil TG 500. Prepare defects, blowholes, holes deeper than 3/16-in (5 mm), and old bituminous substrates with a scratch coat of 2 parts KOSTER NB 4000 and 1 part KOSTER Quartz Sand.

Application

Add the powder component to the liquid component in portions while continually mixing with a slow-rotating electrical mixer. Mix intensively for at least 3 minutes until a homogeneous, lump-free consistency is reached. Apply KOSTER NB 4000 in two coats by trowel. Install the second coat as soon as it can be applied without damaging the first coat. Be sure that the layers are 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 %. Embed KOSTER Flex Fabirc into the fresh first layer in areas prone to or in danger of cracking. Overlap the area waterproofing of the wall at least 4 inches (10 cm) onto the front of the floor slab or the foundation. Connect the external waterproofing to the existing horizontal waterproofing in all areas. Protect the fresh coating

from rain, frost, exposure to water, and strong sunlight until the coating has fully cured. Provide a mechanical protection (KOSTER Protection and Drainage Sheet 3-400) before backfilling.

Coverage

Dependent on application.

Moist soil, non-retained seepage, non-pressurized water:

Minimum dry layer thickness: 3.0 mm

Wet layer thickness: 3.3 mm

Consumption: 0.63 lb/sq ft

Retained seepage, pressurized water:

Minimum dry layer thickness: 4.0 mm

Wet layer thickness: 4.4 mm

Consumption: 0.86 lb/sq ft

Cleaning

Clean tools immediately after use with water.

Packaging

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44 lb Combipackage; 2 x 9 lb (A Component); 2 x 13 lb (B Component)

Storage

Store in a cool, dry place. In originally sealed packaging, it can be stored for approx. 12 months.

Safety

Consult Safety Data Sheet. Always wear proper personal protective equipment when handling this material.

Warranty

KOSTER warrants that its product shall be in accordance with the specifications published in the current revision of the products data sheet. KOSTER covenants that in the event any of its products fail to meet their published specifications, KOSTER shall replace those products proved to be defective. KOSTER shall not be responsible for any incidental or consequential damages due to the breach of its warranties. Notwithstanding the foregoing, KOSTER's sole liability hereunder shall not exceed the cost of the defective product originally purchased. EXCEPT AS SET FORTH ABOVE, KOSTER MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED AND MAKES NO WARRANTY AS TO THE MERCHANTABILITY OR FITNESS OF THE PRODUCT FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. The user must determine if the product is suited for the intended use and the user must bear the risks and liabilities

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 installer is responsible for the correct application taking into consideration the specific conditions of the construction site and 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 deviate from the specifications contained in any Company literature may not be relied upon in the absence of written confirmation from the Company. The installer must comply with all testing, technical requirement, guidelines, and industry customs at all times. The terms, conditions, and limitations contained in the written warranty for the product controls over the specifications contained herein. This guideline has been technically revised; all previous versions are invalid.

associated with it.

Related products

KOSTER Polysil TG 500	Art.-Nr. M 111
KOSTER Glass Fiber Mesh	Art.-Nr. W 411
KOSTER Flex Fabric	Art.-Nr. W 450 100
KOSTER Repair Mortar	Art.-Nr. W 530 025
KOSTER Protection and Drainage Sheet 3-400	Art.-Nr. W 901 030

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