



KOSTER Polysil TG 500

Penetrating primer for damp and salt-containing substrates

Features

KOSTER Polysil TG 500 is a thin-film forming, polymer/silicate-based liquid. When applied to salt-containing or damp substrates, it reduces the pore volume and prevents the development of salt efflorescence. It also increases the chemical and mechanical bond strength of cementitious building materials. It penetrates up to a depth of 3/4-in. KOSTER Polysil TG 500 has strengthening and hydrophobic properties, and is compatible with mortars, cement-based slurries, and concrete substrates.

Technical Data

Minimum application temperature	40°F
Density	8.6 lbs/gal
Surface	Transparent, slightly sticky
Application of next layer	
-Cementitious building materials	-After 30 minutes
-Acrylates/silicate paints	-After min. 24 hours

Fields of Application

KOSTER Polysil TG 500 is used to strengthen, protect, and reduce the absorption of cement-based substrates, even with problematic materials. KOSTER Polysil TG 500 decreases the risk of new development of salt efflorescence and raises the resistance of cementitious substrates to freeze/thaw cycles. Do not install over gypsum based materials. KOSTER Polysil TG 500 can also be used to harden sealing slurries. It does not cause surface crusting. KOSTER Polysil TG 500 can be used as a primer between layers of polymer-modified bitumen thick film sealants such as KOSTER Deuxan 2C and KOSTER Bikuthan 2C.

Substrate

KOSTER Polysil TG 500 can be applied to dry or damp absorbent substrates. The substrate must be free of oil and must remain dust free throughout application. Remove salt efflorescence prior to application by abrasive blasting or scarification.

Application

Deep Penetrating Primer:

KOSTER Polysil TG 500 can be brush- or spray-applied. During the curing time, the surrounding and substrate temperature must not fall below 32°F. Remove any salts that pass through the surface of the substrate during curing.

Negative side waterproofing using rigid sealing slurries:

Before applying KOSTER NB 1 Grey, prime the substrate with KOSTER Polysil TG 500. After approx. 30 minutes, proceed with installation of KOSTER NB 1 Grey (with no KOSTER SB Bonding Emulsion). Install the second coat of KOSTER NB 1 Grey after the first has set.

Surface Protection:

KOSTER Polysil TG 500 improves the chemical and mechanical bond strength of cementitious building materials. KOSTER Polysil TG 500 may be sprayed, rolled or brushed onto the substrate at a rate of 250 sq ft/gallon. The protective coating is fully cured after approximately 16 hours.

Coverage

Dependent on application.

As a deep penetrating primer: Approx. 330-420 sq ft/gallon. More material may be needed for very absorptive substrates.

Cleaning

Clean all tools immediately after use with water.

Packaging

M 111 001	2.2 lb bottle
M 111 010	2.5 gallon jug

Storage

Store the material cool but frost-free; in originally sealed packages, it may be stored for approx. 12 months.

Safety

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

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 associated with it.

Related products

KOSTER Repair Mortar NC	Art.-Nr. C 535 025
KOSTER Restoration Plaster White	Art.-Nr. M 662 025
KOSTER MF 1	Art.-Nr. P 280 012
KOSTER Elastic Roof	Art.-Nr. R 238 015

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.



KOSTER Dachflex
KOSTER NB 1 Grey
KOSTER NB 2 White
KOSTER NB Elastic Grey
KOSTER NB Elastic White

Art.-Nr. R 260 020
Art.-Nr. W 221 025
Art.-Nr. W 222 025
Art.-Nr. W 233 033
Art.-Nr. W 234 033

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