



KOSTER SL Protect

Fast hardening, protective, self-leveling underlayment for exterior applications

Features

KOSTER SL Protect is a high-strength self-leveling underlayment with high resistance to chemical and mechanical stress. It is a wearable leveling layer for use over uneven or coarse concrete and cementitious materials. Due to its high chemical resistance, it can be used to protect against light and medium corrosion and serves as a slowly reacting sacrificial layer in areas of high chemical stress, such as agricultural, industrial, workshop, production facilities, commercial and private use buildings.

Technical Data

Application temperature	40 - 90 °F
Working time, 70 °F	Approx. 30 min.
Compressive strength (28 days)	> 6500 psi
Flexural strength (28 days)	> 1450 psi
Resistant to foot traffic	Approx. 3 hours*
Layer thickness	3/16 - 1 3/16-in

*depending on temperature

Fields of Application

KOSTER SL Protect is intended for use in interior and exterior floor leveling applications, especially in industrial and agricultural areas where high chemical and mechanical resistance is required.

Substrate

Substrates to receive KOSTER SL Protect must be sound, solid, clean, and free of grease, oil, dust, form release oil, or any other contaminants that may weaken the bond. Do not acid etch substrates or clean the substrate with chemicals. Do not bridge expansion joints with KOSTER SL Protect. Concrete substrates are primed with KOSTER SL Primer. Nonporous substrates are primed with KOSTER VAP 1 06 Primer. Do not apply over adhesive residue.

Application

Mixing

Mix two bags of KOSTER SL Protect at a time. For each bag, add 3.2 quarts of clean, cool, potable water to a mixing vessel. Add KOSTER SL Protect while mixing using an electrical paddle mixer. After all KOSTER SL Protect has been added, mix for no less than 3 minutes until a flowable, lump free consistency is reached.

Installation

Pour the mixed KOSTER SL Protect on the floor. Spread using a gauge rake, smoother, and/or spiked roller. KOSTER SL Protect will level itself for 20-25 minutes at 70F with no troweling needed.

Coverage

Approximately 23 square feet per 55 lb bag at 1/4 inch layer thickness.

Cleaning

Clean tools immediately after use with water.

Packaging

SL 286 025 55 lb bag

Storage

Store the material in a cool, dry place. When stored in originally sealed packages, KOSTER SL Protect can be stored for 6 months.

Safety

Consult Safety Data Sheet. Contains portland cement and silica sand; avoid contact with eyes or prolonged contact with skin. Wear personal protective equipment including gloves and safety eyewear. Do not take internally. Eliminate exposure and avoid breathing dust; contains free silica. In case of eye contact, flush immediately with clean water and consult a physician. In case of skin contact, wash immediately with soap and water.

Limited 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 Spiked Roller	Art.-Nr. CT 914 001
KOSTER Gauge Rake	Art.-Nr. CT 915 001
KOSTER Polysil TG 500	Art.-Nr. M 111
KOSTER SL Primer	Art.-Nr. SL 189 005
KOSTER Double Paddle Mixer	Art.-Nr. X 992 001

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.