



KOSTER SL Flex

Fast hardening, flexible self-leveling underlayment

Features

KOSTER SL Flex is a high quality, fast setting, mineral based underlayment with excellent bonding characteristics on smooth and dense substrates. KOSTER SL Flex is suitable for a wide variety of substrates, and hardens within a few hours. It hardens to a level, high strength surface that allows for change in building use. KOSTER SL Flex is easy to mix and install, and can be applied in layer thicknesses between 1/4-in and 5/8-in, feathered out to 1/8-in, and installed in depressions up to 1 1/4-in. It hardens quickly and crack free with up to 90% less shrinkage.

Technical Data

Working time, 70°F	Approx. 20 min
Application temperature	40° - 90°F
Initial set, 70°F	Approx. 60 min.
Final set, 70°F	Approx. 120 min.
Compressive strength (28 days)	Approx. 4350 psi
Bending tensile strength (28 days)	Approx. 1450 psi
Walkable	Approx. 4 hours*
Install flooring	Approx. 6 hours*
Apply resilient flooring	48 - 72 hours*
Fill depressions up to	1 1/4-in
Feather out to	1/8-in
Water demand	5.5 quarts per bag

*depending on temperature

Fields of Application

KOSTER SL Flex is designed for fast leveling of indoor surfaces. It is an excellent material for the repair and leveling of substrates before installation of tile, carpet, resilient flooring, and laminates. Wooden board floors on wooden joists can be carpeted or tiled after the installation of KOSTER SL Flex. This product is intended for interior use.

Substrate

Substrates to receive KOSTER SL flex 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 Flex. Concrete must be primed with KOSTER SL Primer. Nonporous substrates are primed with KOSTER VAP I 06 Primer. Do not apply over adhesive residue.

Application

Application over wooden substrates

When applying over tongue and groove wooden floors, cleaning agents and care product residues must be completely removed. Painted areas must be sanded and vacuumed clean. Floor boards must be firmly attached to the joists. Open or wide joints between the boards, defects, and hollows must be filled with an acrylic jointing compound. The

prepared wooden substrate is then primed with KOSTER VAP I 06 Primer (650/800 sq ft/gal). When installing ceramic tiles over a wooden substrate, mechanically fasten KOSTER Glass Fiber Mesh onto the floor after priming. When installing ceramic or natural stone floors onto a wooden substrate, install KOSTER SL Flex at a minimum thickness of 3/8-in. Wooden floors must be permanently dry in order to avoid damage caused by deformations, moisture, and mold. Sufficient ventilation must be provided, especially when installing vapor tight flooring.

Application

Mix two bags of KOSTER SL Flex at a time. For each bag, add 5.5 quarts of clean, cool, potable water to a clean mixing vessel. Add KOSTER SL Flex while mixing using an electrical paddle mixer. After all KOSTER SL Flex has been added, mix for 3 minutes until a flowable, lump free consistency is reached. Do not retemper.

Installation

Pour the mixed KOSTER SL Flex on the floor. Spread using a gauge rake, a smoother, and/or a spiked roller. KOSTER SL Flex will level itself for 15-20 minutes at 70°F with no troweling needed. Protect from freezing for 5-7 days.

Coverage

Approximately 26 square feet per 55 lb bag at 1/4 inch layer thickness.

Cleaning

Clean tools immediately after use with water.

Packaging

SL 284 025 55 lb bag

Storage

Store the material in a cool, dry place. When stored in originally sealed packages, KOSTER SL Flex can be stored for 12 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

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Waterproofing Systems

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 VAP I 06 Primer	Art.-Nr. SL 131 009
KOSTER SL Primer	Art.-Nr. SL 189 005
KOSTER SL Premium	Art.-Nr. SL 280 025
KOSTER NB 1 Grey	Art.-Nr. W 221 025
KOSTER Glass Fiber Mesh	Art.-Nr. W 411

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