



KOSTER IB

Isolation Barrier / Underlayment for Permanently Damp Floors

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Description

KOSTER IB is an underlayment with self leveling properties intended for use on permanently damp floors. KOSTER IB does not contain gypsum or silica sand and is resistant to re-emulsification and permanent high alkalinity. The underlayment allows foot traffic soon after its application and is resistant to abrasion and wear.

Technical Data

Density of the fresh mortar	16.7 lb / gal
Compressive strength (after 24 hours)	>2175 PSI
Compressive strength (after 7 days)	>4351 PSI
Compressive strength (after 28 days)	>5801 PSI
Flexural tensile strength (after 24 hours)	>580 PSI
Flexural tensile strength (after 7 days)	>725 PSI
Flexural tensile strength (after 28 days)	>1015 PSI
Pot life	20 min. (68°F)
Resistant to foot traffic after	approx. 4 hours (68°F)

Use

KOSTER IB is used to level unevenness of interior and exterior cementitious floors. In wet areas, it may be used under tile, ceramic coverings or as a screed. The underlayment is especially suitable as surface preparation for KOSTER VAP I® 2000. KOSTER IB is not a decorative final coating.

Surface Preparation

The substrate must be clean, sound and solid, free of adhesion inhibiting substances such as oil and grease, free of formwork release oil etc. The pull off strength of the substrate must be min. 217 PSI (1.5 N / mm²). The substrate is prepared by shot blasting, milling and sandblasting or by using other suitable grinding equipment in order to achieve an absorbent, open pored substrate. **Pre-wet the substrate several times until the substrate is at a surface saturated damp condition.** The pores are saturated when the substrate has a very thin film of water on it and therefore develops a slight gloss.

Mixing

Mix one 50 lb (22.7 kg) bag of KOSTER IB with a maximum 1.5 gal (5.7 L) of water. Place ¾ of the liquid into a mixing vessel of sufficient size and add the powder in portions while continually mixing with a double paddle mixer. Add the remaining ¼ of liquid as needed during mixing to adjust the mortar to the desired consistency. Mix until a homogeneous, lump-free consistency is reached. Mixing time is 2 minutes after all powder has been added to the water.

Application

The mixed mortar is poured onto the prepared substrate and spread with a gauge rake, trowel or spiked roller. Protect from drying out during the curing time. Layer thickness: 1/8" – 1" (3 - 25 mm) KOSTER VAP I® 2000 may be applied to the underlayment after a curing time of at least 24 hours and after the surface of the underlayment has been brush blasted to a minimum CSP 2. For additional information, please contact KOSTER American Corporation.

Coverage

Per 50 lb. (22.7 kg) bag:

Nominal Thickness	Approximate Coverage
1/8" (3 mm)	40 ft ²
1/4" (6 mm)	20 ft ²
3/8" (9 mm)	13.6
1/2" (12 mm)	10 ft ²

Clean Up

Use water to clean all tools immediately after use.

Packaging

50 lb. bags

Storage

Store the material dry.

Shelf Life

12 months when stored properly in original unopened packages.

Safety Precautions

Contains Portland cement. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin.

Eye Contact – Flush immediately with water and consult physician. **DO NOT RUB EYES.**
Skin Contact – Wash immediately with soap and water. Wearing safety goggles and gloves is recommended.

Do not take internally. Avoid breathing dust and wear a respirator in dusty areas.

See Material Safety Data Sheet for further information.

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.