

InsuFloor E 4000

Low viscosity, epoxy resin primer and sealer for concrete floors.

DESCRIPTION OF PRODUCT

InsuFloor E 4000 is a two-component, epoxy resin primer for use with **InsuFloor E 4800**.

APPLICATIONS

InsuFloor E 4000 is used as a sealer or primer prior to the application of InsuFloor E 4800 series floors.

USES

InsuFloor E 4000 can be used as a primer and bonding aid for epoxy screeds, repair mortars, self-levelling and coating systems.

ADVANTAGES

- Economical and easily applied.
- Good penetration.
- Wear and abrasion resistant.
- Good general chemical resistance.
- Improves bond of the topcoat.

TYPICAL PROPERTIES

Density(Part A) at 20°C	1.6 kg/Litre
Density(Part B) at 20°C	1 kg/ litre
Packing	Available in 15 kg unit (part (A+B))
Mix Ratio	7.9(A) : 2.1(B)

DIRECTIONS FOR USE PREPARATION

InsuFloor E 4000 must be applied to a clean, dry substrate free from laitance, dust, dirt, oil, grease and other contaminants.

InsuFloor E 4000 should not be applied to concrete which contains more than 4% moisture. The removal of laitance and contaminants is best achieved by mechanical means.

MIXING

Thoroughly mix the two components of InsuFloor E 4000) using a slow speed drill with a suitable paddle, making sure to reach the bottom and sides of the can. Continue mixing for at least 3 minutes to produce a fully blended, uniform material.

APPLICATION

Applied by brush or short-haired roller. Normally, one coat is sufficient below **InsuFloor E 4000** series systems. For **InsuFloor E 4800**, the primer coat of InsuFloor E 4000 is allowed to dry before proceeding with the topcoat. For very porous surfaces, it may be necessary to seal the surface with two coats of the primer to prevent air coming from the substrate. Take care to respect over-coating times, when this is necessary.

CLEANING OF TOOLS

Tools and equipment should be cleaned, immediately after use, with solvent.

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STORAGE

- Store out of direct sunlight, clear of the ground, on pallets protected from rainfall. Avoid excessive compaction.
- Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice, consult Insumat's Technical Services Department.

SHELF LIFE

Up to 12 months if stored according to manufacturer's instructions in unopened containers.

NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information, contact Insumat's representative.

Insumat reserves the right to have the true cause of any difficulty determined by accepted test methods.

QUALITY STATEMENT

* All products manufactured by Insumat Egypt, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems described in the ISO 9001:2015, standard.

* Properties listed are based on laboratory controlled tests.

* Actual measured data may vary due to circumstances beyond Insumat's control.



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TECHNICAL INFORMATION

Abrasion Resistance	Mortar Screed when mixed with Sikadur 506 (C): 48mg loss (CS 17 / 1000 Cycle / 1000 g)		
Compressive Strength	Resin: ~ 60 N/mm ² (28 days / +23 C) (EN 196-1) Resin: ~ 50 N/mm ² (14 days / +23 C) (ASTM C579 - Method B) Mortar Screed when mixed with Sikadur 506 (C):~ 70 N/mm ² (14 days / +23 C) (ASTM C579 - Method B)		
Tensile Strength in Flexure	Resin : > 26 N/mm ²	(ASTM D790)	
	Mortar Screed when mixed with Sikadur 506 (C): >37N/mm ²	(ASTM D790)	
Tensile Strength	Resin: ~ 60 N/mm ² (28 days / +23 C) (ASTM D638)		
Tensile Adhesion Strength	> 1.7 N/mm ² (failure in concrete)	Resin	(ASTM D4541 - Pull off)
	> 1.6 N/mm ² (failure in concrete)	Mortar Screed	(ISO 4624 - Pull off)
Resistance to Impact	Excellent		

Chemical Resistance Resistant to wide rang of general chemicals and acids .
For severe conditions , please refer to INSUMAT` s Representative

Temperature Resistance

Exposure*	Dry heat
Permanent	+50 °C
Short-term max. 7 days	+80 °C
Short-term max. 12 hours	+100 °C

Short-term moist/wet heat* up to +80 °C where exposure is only occasion- al (steam cleaning etc.).

Manufacturing Insulating Materials and Products Company