KingFloor® Primer Range

A range of epoxy resin based primer for flooring and coatings.

DESCRIPTION

KingFloor Primer Range is a clear high performance primer designed to improve adhesion of various types of KINGKRETE epoxy range including coatings, self-smoothing and trowel applied products. Two products are available, a solvent free primer "KingFloor Primer" and a solvented one "KingFloor Primer Range".

APPLICATIONS

KingFloor Primer Range is used as a prime coat to aid improving adhesion of subsequent epoxy layers. One or two coats should be applied depending on surfaces' porosity.

KINGKRETE Products	KingFloor Primer Range	KingFloor Primer
KingFloor Range	√	
KingFloor SL1/SL2/ SL4	√	-
KingFloor EN100	-	√
KingFloor Topping/T	√	
KingFloor EP100 HD	-	√
KingFloor Conductive	-	√
KingFloor PA	√	

METHOD OF USE

Substrate Preparation

The substrate must be clean, dry, even, dense and free from oil, grease, dust and other contaminants. A clean surface will ensure maximum adhesion between the substrate and the coating. Concrete floors must have a minimum compressive strength of 25 N/mm² and a maximum concrete relative humidity of 75% (max. moisture content of 5%), relative humidity can be measured using a hygrometer. Concrete relative humidity should be less than 75% for concrete 28 days old or more.

SURFACE PREPARATION

Unsound layers and contaminated concrete surfaces must be prepared using mechanical surface removing equipment. Acid etching can be used only in well ventilated areas. Areas deeply contaminated by oil or grease, should be treated by hot compressed air.

TECHNICAL PROPERTIES

@ 25°C

	KingFloor Primer KingFloor Primer Range
Appearance:	Yellowish clear liquid
Bond strength: ASTM D4541-85	≥ 2 MPa (concrete failure)
Mixed density:	1.1 ± 0.05 g/cm³ 1.0 ± 0.05 g/cm³
Mixed viscosity:	5 - 15 poise
Pot life:	90 - 120 min 120 - 280 min
Over coating time:	12 - 24 hr
VOC:	< 20 g/ltr < 130 g/ltr

MIXING

Prior to mixing, stir individual components of KingFloor Primer Range. Take care to ensure that bottom and sides are thoroughly scraped, transfer the entire content of hardener into the base and mix for 2 - 3 minutes using slow speed mixer fitted with suitable paddle.

APPLICATION

KingFloor Primer Range should be applied by brush or short hair lambs wool roller.

Spread evenly at the recommended coverage rate, avoiding any primer ponding on the floor. Highly porous surfaces may require two coats of Primer.

CLEANING

KingFloor Primer Range can be removed by KINGKRETE solvent prior to setting.

PACKAGING

KingFloor Primer Range is available in 5 kg packs.

COVERAGE

KingFloor Primer: 5 m²/kg; 200 micron DFT. KingFloor Primer Range: 5 m²/kg; 175 micron DFT.

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STORAGE

Shelf life is 1 year when stored under cover, out of direct sunlight and protected from extremes of temperature. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult KingKrete's Technical Services Department.

HEALTH AND SAFETY

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Reseal containers after use. Use in well ventilated areas and avoid inhalation.

NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local KingKrete representative. KingKrete Inc. reserves the right to have the true cause of any difficulty determined by accepted test methods.

QUALITY AND CARE

All products originating from KingKrete's Middle East facility are manufactured under a management system independently certified to conform to the requirements of the quality standards ISO 9001, ISO 14001 and ISO 45001.

* Properties listed are based on laboratory-controlled tests.
® = Registered trademark of the KingKrete-Group in many countries.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this KingKrete Inc. publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by KingKrete Inc. either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not KingKrete Inc. are responsible for carrying out procedures appropriate to a specific application.

KingKrete Middle East
www.kingkrete.com

Disclaimer: the IAS mark relates to certified management system and not to the product mentioned on this datasheet