

KingFloor Primer[®] DPM

Epoxy damp-proof membrane.

DESCRIPTION

KingFloor Primer DPM is a two pack, solvent free epoxy based damp-proof membrane for use with the KINGKRETE range of surface coatings and toppings. It suppresses residual construction moisture and rising dampness in concrete and sand/cement screeds and can be used in situations where the relative humidity level is above 75%. It is applied by brush or roller in one or two coats depending on the relative humidity of the floor.

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.

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.

Mixing

Prior to mixing, stir individual components of KingFloor Primer DPM. 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.

TECHNICAL PROPERTIES @ 25°C:

Appearance:	Yellowish clear liquid
Bond strength: ASTM D4541-85	≥ 2 MPa (concrete failure)
Mixed density:	1.1 ± 0.05 g/cm ³
Mixed viscosity:	20 - 40 poise
Pot life:	50 - 80 min
Overcoating time:	12 - 24 hr
VOC:	< 20 g/ltr

Application

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

One coat of KingFloor Primer DPM is required where the relative humidity level of the screed is between 75% and 85%. For RH levels between 86% and 98%, use 2 coats. 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 DPM can be removed by KINGKRETE solvent prior to setting.

PACKAGING

KingFloor Primer DPM is available in 5 kg packs (4.5 ltr).

COVERAGE

KingFloor Primer DPM: 5 m²/kg; 200 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 Qatar facility are manufactured under a management system independently certified to conform to the requirements of the quality standard ISO 9001.

* Properties listed are based on laboratory-controlled tests.

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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.

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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.