



# KingRep<sup>®</sup> Primer EPBM

Epoxy resin based primer for KingRep.

## DESCRIPTION

KingRep Primer EPBM is a clear high performance solvent free epoxy primer designed to improve adhesion of KingRep EPBM on concrete and steel substrates.

## APPLICATIONS

KingRep Primer EPBM is used as a prime coat to improve adhesion of subsequent KingRep EPBM layers on concrete and steel substrates.

## 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.

The concrete substrate should be below 75% RH and have less than 4% moisture content. Alternatively, consult with KINGKRETE's Technical Department.

### Surface Preparation

The surface must be structurally sound, free from oil, grease and other forms of contamination.

Concrete should be surface dry and suitably prepared either by scabbling or grit blasting to remove any surface laitance. Steel surfaces should be grit blasted to remove all rust and scale. (See the KINGKRETE Guide to Surface Preparation for further details).

### Mixing

Prior to mixing, stir individual components of KingRep Primer EPBM. 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	≥ 2 MPa (concrete failure)
Mixed density:	1.1 ± 0.05 g/cm <sup>3</sup>
Mixed viscosity:	5 - 15 poise
Pot life:	90 - 120 min
Over coating time:	12 - 24 hr
VOC:	< 20 g/ltr

## APPLICATION

KingRep Primer EPBM 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. The primer should be applied so that the surface is thoroughly wet, ensuring there is a continuous film of resin over the surface.

Highly porous surfaces may require two coats of KingRep Primer EPBM. It is highly important that KingRep EPBM is be applied whilst the primer is very tacky.

## CLEANING

KingRep Primer EPBM can be removed by KINGKRETE solvent prior to setting.

## PACKAGING

KingRep Primer EPBM is available in 5 kg packs.

## COVERAGE

5 m<sup>2</sup>/kg; 200 micron DFT.

## 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.



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## 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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## KingKrete-Qatar/KingRep\_Primer EPBM\_02/v2/07\_18

### STATEMENT OF RESPONSIBILITY

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### NOTE

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