

KingCoat[®] EPC50

Solvent-free clear epoxy resin sealer.

DESCRIPTION

KingCoat EPC50 is a high performance, solvent free, two-component clear epoxy based resin used as sealcoat for concrete, cementitious floors and existing epoxy floor coatings. KingCoat EPC50 can also be used for wood finishes and other applications requiring a clear, strong epoxy coating.

KingCoat EPC50 once cured provides an anti-stain and dustproof sealer that is resistant to the penetration of oils and liquids and is easy to clean. It also provides look enhancement for the substrate of which it is applied over.

ADVANTAGES

- 🔩 Solvent free.
- 🔩 Extremely high stain resistance against oils and liquids such as beverages and food colorants.
- 🔩 Enhances abrasion resistance.
- 🔩 Dust proof.
- 🔩 Can be used as a look enhancer.
- 🔩 Easily applied.
- 🔩 Improved impact resistance.
- 🔩 Water resistant.
- 🔩 Self-levelling with a high gloss finish.

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 surfaces must be prepared using mechanical surface removing equipment. Areas contaminated with oil or grease, should be treated with hot compressed air.

TECHNICAL PROPERTIES @ 25°C:

Colour:	Clear
Mixed density:	1.1 ± 0.05 g/cm ³

Mixing

Prior to mixing, stir individual components of KingCoat EPC50. 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

KingCoat EPC50 should be applied by brush or short hair lambs wool roller.

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

CLEANING

KingCoat EPC50 can be removed by KINGKRETE solvent prior to setting.

PACKAGING

KingCoat EPC50 is available in 5 kg packs.

COVERAGE

Approximately 5 - 10 m²/kg to achieve a dry film thickness of 100 - 200 microns per coat. Coverage will highly depend on surface porosity and roughness.

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,



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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 manufacturing facilities 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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K KK-NA-04.2-CT-EPC50-R3-2601

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.

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