

KingDeck® FC100

Solvent free crack bridging membrane.

DESCRIPTION

KingDeck FC100 is a two-component, solvent-free, flexible membrane used as a crack bridging and waterproof membrane for KingFloor Terrazzo system and Kingdeck HPW car park decking system.

APPLICATIONS

KingDeck FC100 crack bridging membrane is recommended for use over concrete to provide a flexible waterproof membrane and as an aid to suppress cracks.

ADVANTAGES

- ☑ Solvent free.
- ☑ Crack bridging properties.
- ☑ Waterproof.
- ☑ Seamless.

METHOD OF USE

Substrate Preparation

The Substrate should be sound, clean and free from contamination. Surface Laitance should be removed by grit blasting or water jetting.

MIXING

KingDeck FC100 comprises two components, a resin and a hardener, which are supplied pre-weighted in the correct proportions. Under no circumstances should part mixing be carried out.

The contents of each component should be thoroughly stirred separately to disperse any possible settlement.

Taking care to ensure that the bottom and sides are thoroughly scraped, transfer the entire contents the hardener component into the base component.

Using a power whisk attached to a slow speed electric drill, mix for approximately 3 minutes and until uniform colour and consistency are achieved.

Note: never mix KingDeck FC100 by hand as this could lead to areas of uncured material.

*when primed with Gripdeck Primecoat U.

TECHNICAL PROPERTIES

Colour:	Yellowish white
Mixed density:	1.30 ± 0.05 g/cm ³
Volume solids:	100%
Pot life @ 25oC:	60 - 90 min
Over-coating time @ 25oC:	24 hr
Full cure @ 25oC:	7 days
Bond strength over C25/30 concrete: ASTM D4541	≥ 2 MPa @ 7 days (substrate failure)
Shore D hardness: ASTM D2240	≥ 40
Tensile strength: ASTM D412	≥ 2 MPa @ 7 days
Adhesion in peel after water immersion:* ASTM C794 (modified)	≥ 22.2 N (pass)
Elongation at break @ 7 days: ASTM D412	≥ 100%

APPLICATION

Once mixed, the material should be immediately applied, ensuring that a continuous coating is obtained. Apply the KingDeck FC100 onto the floor using a brush, roller or squeegee.

OVERCOATING

KingDeck FC100 may be over-coated as soon as it becomes tack-free within 24 hours.

CLEANING

All tools should be cleaned immediately using KINGKRETE Solvent. Hardened material must be cleaned mechanically.

PACKAGING

KingDeck FC100 is available in 18 kg packs.

COVERAGE

Approximately 0.65 kg/m² per coat to achieve a 500 microns dry film thickness.



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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.

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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

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