

CRES®FLOOR EP 100-M

Moisture tolerant solvent free epoxy primer

CRESFLOOR EP 100 - M is two component solvent free moisture tolerant epoxy primer designed for substrate such as concrete, screed and masonry to improve the bonding in flooring and coating products. It also act as general purpose primer for concrete surfaces for use with various coatings and flooring range.

USES

- Priming and sealing of concrete substrates before the application of epoxy and polyurethane.
- Moisture tolerant primer for fresh, moist, damp surface where moisture content is $\geq 5\%$ and exceeds limitation of standard primer requirements.

ADVANTAGES

- Solvent free
- Easy application
- Good penetration to substrate
- Excellent adhesion to substrate.

SURFACE PREPARATION

Concrete substrates:

Remove all grease, oil, dust, residual curing compound, mould release agent or other contaminant that could impair adhesion. Laitance should preferably be removed by light sweep blasting or hydro-jetting. Mechanical wire brushing may be appropriate for small areas.

Mechanical methods like grinding or grit/captive blasting in order to provide a suitable profiled open textured surface is strongly recommended. Old or existing floor should be refurbished mechanically to ensure clear sound substrate.

Surface irregularities and blow holes shall be repaired with solvent free epoxy resin repair mortar. Allow the applied material to harden. After all preparation is complete, ensure dust is removed from the surface using an industrial vacuum.

MIXING

For preparation of product, pour component B (hardener) into component A (resin) and mix carefully with electric mixer at low number of turns, till obtaining a homogeneous mix. It is always recommended to mix a complete kit at a time. Over mixing must be avoided to minimize air entrainment. Once mixed, the material must be used within its pot life. Maintain mixing ratio 2.6:1 by weight at all times.



TECHNICAL PROPERTIES

Description	Value	Standard
Appearance	Liquid coating	-
Solid Content, wt%	>98.0	ASTM D2369
Specific gravity @25°C	1.05 (± 0.02)	ASTM D1475
Pot life @25°C, min.	>30	ASTM D2471
Touch dry @25°C, hr	6-8	-
Tack free @25°C, hr	10-12	-
Overcoat time @25°C, hr	Min. 12 Max. 24	

All values given are subject to 5-10% tolerance

APPLICATION

Apply the product with a brush or roller or squeegee in its pure state at a rate of 8.0-10 m²/Liter per coat. This rate might vary depending on surface conditions. The primer must be well scrubbed into the substrate to ensure full coverage.

A second priming coat may be required if the substrate is particularly porous. Re-prime if the primer coat has not been over coated within 24 hours. Dust and surface contamination must be removed prior to applying subsequent products. If using as a stand alone finish, a minimum of 2 coats of **CRESFLOOR EP100-M** is recommended.

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RECOMMENDATION

Don't apply the product with immediate rain. **CRESFLOOR EP 100-M** should not be applied on asphalt floor and PVC tiles.

PACKING

CRESFLOOR EP 100-M is supplied in two packs of 15 liter Kit.

Component A – Resin, Component B - Hardener.

LIMITATION

1. **CRESFLOOR EP 100-M** should not be applied at temperatures below +5°C and above +35°C.
2. Avoid application if the work area may be subject to the onset of rain or moving water.
3. All products should be used within the pot life. Materials not used within the specified time should be discarded.
4. The product should not be thinned with any type of solvent under any circumstances.

CLEANING

Tools and equipment should be cleaned with solvent after use. Hardened material should be removed mechanically.

SHELF LIFE

Keep away from direct sunlight and store under normal warehouse conditions. Container must be tightly closed. Shelf life of this product is 12 months from the date of manufacturing.

STORAGE

CRESFLOOR EP 100-M should be stored in cool, dry and shaded warehouses. Shelf life is 12 months when stored under cover, out of direct sunlight, protected from extreme temperatures and as per recommendations. In extreme tropical climate, the product must be stored in cooled ambience. Excessive humidity and over exposure to UV will result in the reduction of shelf life.

HEALTH & SAFETY

Always use protective clothing, eye goggles and hand gloves when handling this product. Avoid contact with skin or eyes. If spilled on the skin, wash immediately with soap and plenty of water.

Accidental splashes on the eyes should be immediately clean with fresh water and medical attention sought.

Product Disclaimer:

Kanz chemical Ind. LLC products are guaranteed against defective materials and are sold subject to standard terms and condition of sale, copies of which are available on request which are reasonable. All recommendations regarding the use of product are made without guarantee since the conditions of use are beyond the company's direct control. It is the customer's responsibility to ensure each product is fit for the purpose for which they intend to use it. Furthermore the specifications and description herein cannot be used to void a contract.

Refer material safety data sheet (MSDS) for further information.