

# CRES® FLOOR EP 100

Solvent free epoxy primer

**CRESFLOOR EP 100** is two component solvent free epoxy primer is designed to penetrate into porous substrate such as concrete, screed and masonry to improve the bonding in flooring and coating products. It also act as general purpose anti corrosive primer for steel and concrete surfaces for use with various coatings and flooring range.

## USES

- Solvent free
- Easy application
- Good penetration to substrate
- Excellent adhesion to concrete, wood, masonry, screed and steel etc.

## ADVANTAGES

- Priming and sealing of substrates before the application of epoxy and polyurethane.
- General purpose primer for concrete and steel surface for **CRES** range of flooring and coatings.

## 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. New concrete or cementitious surfaces should be at least 28 days old and have moisture content not exceeding 5%. 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 obtain 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.



## TECHNICAL PROPERTIES

| Description                          | Value                  | Standard    |
|--------------------------------------|------------------------|-------------|
| Appearance                           | Liquid coating         | -           |
| Solid Content, wt%                   | >98.0                  | ASTM D2369  |
| Specific gravity @25°C               | 1.1 (±0.05)            | ASTM D1475  |
| Adhesion strength, N/mm <sup>2</sup> | >7.0                   | ASTM D 7234 |
| Pot life @25°C, min                  | >60.0                  | ASTM D2471  |
| Touch dry @25°C, hr                  | 4.0-6.0                | -           |
| Tack free @ 25°C, hr                 | 8.0-10                 | -           |
| Over coating Time, hr                | Min. 12.0<br>Max. 24.0 | -           |

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 8-10 m<sup>2</sup>/L 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 EP 100** are recommended.

## RECOMMENDATION

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

## LIMITATION

1. **CRESFLOOR EP 100** 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.

## STORAGE

**CRESFLOOR EP 100** must be stored in a covered area, away from direct sunlight and protected from extreme temperature.

## PACKING

**CRESFLOOR EP 100** is supplied in two packs of 20 L Kit.

Component A – Resin, Component B - Hardener

## MIXING RATIO

Part A to Part B : 4:1 (By wt).

## 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.

## HEALTH AND 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.