

# REC CRETE C-117

## High performance multi use solvent free epoxy primer

### PRODUCT

**Rec Crete C-117** is a high quality two-component epoxy primer, having outstanding features as it was designed for priming nonporous, non-absorbent or dense substrate, such as tile and stone, using sand broadcast method prior to applying Reckon self-leveling compound or absorbent and dense cementitious substrates, such as cement screed. Additionally, it can be used for absorbent and dense cementitious substrates prior to the high strength self-leveling compound application ensures a perfect bonding with smoothing and leveling compounds and cementitious mortars. This product is very easy to apply, provides excellent bonding with the substrate, furthermore, it has a low viscosity and an excellent wetting ability.

### SCOPE OF USE

- **Rec Crete C-117** is used as a primer to improve the adhesion over smooth, non-absorbent and difficult substrates such as metal, ceramic tiles, vinyl composition tiles, cement or epoxy based Terrazo.
- **Rec Crete C-117** is also used as a primer to improve the adhesion over smooth, absorbent and non porous cementitious substrates
- It is used for preparing dense and smooth cementitious floors and prior to levelling existing ceramic tile and natural stone surfaces with Reckon smoothing compounds.
- **Rec Crete C-117** can be applied on well bonded existing epoxy coatings however Shot blasting is a must in this case

### ADVANTAGES

- Excellent adhesion over absorbent or porous substrate such as concrete substrates and cementitious screeds.
- Low viscosity penetrates into the substrate for excellent bonding.
- Excellent adhesion over non-absorbent or non-porous substrate such as tile or stone.
- Excellent wetting ability for fast and easy spreading even with high glossy and glazed substrate.
- Cost effective with high coverage.
- Easy to apply, solvent free, 100% solid content.
- Very low VOC

### CHARACTERISTICS

|                                                     |                                                        |
|-----------------------------------------------------|--------------------------------------------------------|
| Colour                                              | Transparent                                            |
| Chemistry                                           | Solvent free epoxy primer                              |
| Mixing ratio                                        | Part A:100 Part B: 17                                  |
| Consistency                                         | Liquid                                                 |
| Density                                             | 1.08                                                   |
| Percent solids                                      | 100% by volume                                         |
| Adhesion to tile                                    | 1.2 MPA                                                |
| VOC                                                 | Very low                                               |
| Set to light foot traffic                           | After 24 h depending on the Temperature                |
| Pot life                                            | 3 h @ 23 °C (higher temperatures shorten the pot life) |
| Time-limit for application of smoothing compound    | 48 h                                                   |
| Waiting time before applying the smoothing compound | 24 h depending on the Temperature                      |
| viscosity                                           | part A:22 s on ford Cup 8-at 23 °C                     |
|                                                     | part B: 15s on ford cup 4 at 23 °C                     |
|                                                     | part A+B :100 sec on ford cup 4 @ 23 °C                |
| Permissible temperature at time of application      | 10°C to 40 °C                                          |

# REC CRETE C-117

## INSTRUCTIONS FOR USE

### SUBSTRATE PREPARATION

All loose material should be removed, all surfaces should be clean, sound, dry and free from grease, laitance, oil and dust and any other substance that may prevent or reduce adhesion. Substrate must be crack free thus; any crack must be repaired prior to application. For dense concrete, shot blasting is a must.

This product is specially designed for substrates having a moisture content not exceeding 5 % CM.

### PRODUCT PREPARATION

Plan your work by having everything ready to go and by limiting the quantity which can be mixed and applied in a time aligned with the product pot life mentioned in the product characteristics.

Add Part B over Part A, mix the two parts for 2 - 3 minutes by an electric mixer with low rotation speed (< 300 rpm). Make sure to keep the drill paddle below the surface of the material to avoid entrapping air.

**Rec Crete C-117** must be well mixed to ensure proper chemical reaction.

After mixing, keep the mix to rest for 2 minutes before the application in order to release any entrapped air.

Note: Mixing the product at high speed, may result of trapping the air within the mixed material. Moreover, it can also shorten the product pot life. Do not add any solvent, water or Thinner to the mix for any reason.

### PRODUCT APPLICATION

**Rec Crete C-117** can be applied with a brush, roller, rubber float, or smooth trowel in an amount varying and depending on the degree of absorption and texture of the substrate.

Make sure that all voids and pinholes are filled /sealed by meaning to ensure complete surface coverage to eliminate out-gassing.

After applying **Rec Crete C-117**, broadcast immediately the sand equally over the wet surface, taking into consideration that all areas are sanded equally to avoid any de-bonding of the subsequent layer in a later stage.

The broadcasted sand for any application must be oven dry, with size from 0.5 mm to 1 mm. After 24 hrs remove the excess sand by sweeping and vacuuming off the excess. Apply the self-leveling products according to the manufacturer recommendations.

## CLEANING

To avoid harden the epoxy primer, clean the tools and the equipment with a solvent such as Xylene.

## CONSUMPTION

0.15 kg/m<sup>2</sup> the consumption might increase, depending on the substrate porosity.

## STORAGE

12 months after manufacturing date in original and non-open packaging, under cover, in dry condition, away from humidity, protected from extreme temperatures and direct sunlight.

## SAFETY PRECAUTIONS

Application should be done in a ventilated area away from any heat source. Wear protective gear for hands and eyes and avoid breathing of vapor. If mixed resin comes into contact with the skin, it should be promptly removed before hardening, followed by thoroughly washing the skin with soap and water. In case of heavy vapor inhalation, place affected person in an open-air area. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting. In all cases, seek medical attention. In case of fire, use CO<sub>2</sub> foam to extinguish. Tightly seal containers when not in use, store them away from heat and carefully dispose empty ones. For additional information, please refer to the latest version of the safety data sheet.

## DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

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