

EPOPRIME

Epoxy primer, sealer & bonding agent

Description

EPOPRIME has been developed for use in conjunction with CEMART EP MORTAR for concrete repair operations, and with EPOFLOW/ EPOSCREED for seamless Epoxy floor toppings. The product exhibits outstanding adhesion to concrete and other surfaces. EPOPRIME is supplied as a two pack system, comprising of pre weighed amounts of BASE and CURING AGENT components.

Typical Uses

As a primer for concrete prior to application of CEMART EP MORTAR or EPOFLOW. As an adhesive for bonding new to old concrete e.g. resin bonding new floor toppings to old concrete. As a protective treatment to exposed steel re-enforcement during concrete repair.

Advantages

- Solvent free, low odour
- Excellent adhesion to concrete and steel
- Impervious to water
- Low viscosity, easily applied
- May be applied to cool, damp surfaces
- Pre-packaged units ready to use
- Very good chemical resistance

Typical Properties

Appearance: Amber coloured liquid of low odour
Viscosity: 400 cps @ 20°C
Pot life @ 20°C: 50 minutes
Pot life @ 10°C: 100 minutes
Coverage: 3.5 to 7.0 mtr² /kg (depending on surface profile)
Adhesive strength to concrete: 3.8N/mm². (concrete failure)

Surface Preparation

a) Concrete surfaces shall be a minimum of 21 days old and/or the residual moisture content shall be below 6% . Ensure that the concrete is clean and free from dust, laitance, grease, oil, curing compound, existing paint finishes, etc. Suitable mechanical treatment such as vacuum grit blasting or mechanical scabbling are recommended to ensure the removal of contaminants and to provide a mechanical 'key' for the EPOPRIME.
b) Steel reinforcement shall be abraded, wire-brushed to remove all traces of rust. Priming should immediately follow preparation to obviate the possibility of flash rusting.

Mixing

Pour the full contents of the CURING AGENT container into the BASE container and mix thoroughly, preferably by mechanical means until a uniform colour and appearance is achieved.

Application

Apply by brush, roller or airless spray to the prepared surface at a nominal rate of 0.15 to 0.30 Kg/mtr². Make sure that the surface is thoroughly wetted out. Allow the primer to "tack up" for a minimum of 10minutes prior to the application of subsequent treatments. Please refer to the product data sheet, as appropriate. **Note:** in thin section the primer will remain 'open' for 45 minutes @ 20°C, within which time subsequent application should be carried out. Should this period be exceed then the surface must be re-primed prior to continuing.

Coverage Rates

3.5 - 7.0 m²/kg depening on surface texture.

Equipment Cleaning

Clean all equipment with CEMART TOOLCLEAN, prior to curing of the resin.

Curing

Touch dry after 8 hours @ 20°C
Hard dry after 14 hours @ 20°C

Packaging

EPOPRIME is supplied in 1kg, 5kg and 10kg packs.

Health and Safety

Avoid contact of the material with skin and eyes.
Wear appropriate gloves, overalls and eye protection during use. Please refer to material Safety Data Sheet for additional information. For specific advice regarding any aspect of this product, please consult our Technical Section.

Storage, Mixing & Application

Store in dry conditions at temperatures between 10° C and 25° C. Do not expose to freezing conditions.
Minimum of 12 months shelf life when stored in original, unopened containers in accordance with manufacturers instructions.

General Guidance

This Data Sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee. Further information is available from our Technical Department. Please consult our Sales Department to confirm that this Data Sheet is the current issue.