



CLASSIC EPOXYBOND

General Purpose Epoxy Bonding Agent

PRODUCT

Two pack solvent-free epoxy resin and slow curing high strength adhesive suitable for application at ambient temperatures of up to approximately 40°C. Bonding new or old concrete and to provide a hardwearing chemical resistant coating to concrete or metals.

ADVANTAGES & BENEFITS

- * Excellent Adhesion
- * Increases bond strength
- * Very good chemical resistance
- * Easy to apply
- * Cure in damp surface

DESCRIPTION

Classic Epoxybond is a general-purpose epoxy resin, which have been formulated especially for use with concrete. **Classic Epoxybond** has the particular advantages of bonding firmly to touch damp surfaces.

WHERE TO USE:

To bond renders screeds or fresh concrete to existing concrete surfaces.

To bond together pre-cast concrete sections.

To repair broken concrete units.

As a primer for **Classic Epoxybond** epoxy repair mortar and other epoxy application.

HOW TO USE:

Preparation: Substrate must be sound, clean and free from laitance and all contamination viz., oils, grease, etc.

Mixing: **Classic Epoxybond** Epoxy resin comprises two components, the resin BASE and the HARDENER, which are supplied pre-weighed in the correct proportions. It is recommended that for better adhesion, the surfaces must be primed by coating with a primer. This gives a strong adhesion of the sealant to the substrate. When required for application, the HARDENER should be poured into the can containing the BASE and drained well. The two components should be thoroughly mixed, preferably using a mechanical stirrer, e.g. electric drill with stirrer attachment, until a uniform clear liquid is obtained.

Application:

(a) For bonding together concrete sections; apply an even coating of resin to both prepared surfaces using a brush or roller. Ensure that both surfaces are saturated and bring the sections together under light pressure. Remove any resin, which exudes from the joint. Protect the job from agitation until the resin is set.

(b) For bonding screeds, renders or fresh concrete to existing concrete surfaces: apply an even coating of resin to the prepared old concrete surface using a brush or roller. The fresh concrete or mortar should then be placed on top of the resin layer after 15 minutes and within 5 hours at 30°C. The rate of application of resin will need to be controlled so that the fresh concrete / mortar can follow within these limits.

PACKING

1 Kg Pack

COVERAGE

The covering capacity of the resin will vary depending upon the porosity and texture of the surface and of the ambient temperature, but as a general guide 0.3 kg per m² should be allowed.

PROPERTIES:

1	Color	Red
2	Usable Life	5 hrs at 30° – 3 hrs at 40°
3	Cure rate	A tack free film obtained after 3 hrs at 40° C, 9 hrs at 23° C
4	Gel Time	45 min.
5	Bond strength: a. 2 days moisture b.14 days moisture	8.9 12.2
6	Absorption, 24 hrs percent	0.35
7	Compressive Yield Strength (MPA) 7 days	72.2
8	Tensile Strength (MPA) 7 days	51.2
9	Elongation at break point	1.40
10	Initial Viscosity	13 poise at 20°C, 2 Poise at 40°C

SHELF LIFE

Shelf Life is 9 months when stored in manufacturer’s undamaged sealed containers under dry conditions, and out of direct sunlight.



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