



PRODUCT DATA SHEET

PRODUCT: E450

PRE-CAST REPAIR EPOXY

Description

E450 is a non-slump aggregate filled epoxy paste designed where excellent substrate adhesion is required. The product is specifically designed at a 2:1 mix ratio for easy on site use

Principal uses

For structural repairs to precast concrete

Advantages

- High abrasion resistance
- Good chemical resistance

Performance data

Compressive strength	75Mpa
Shear strength	31Mpa
Tensile strength	12Mpa

Surface preparation

Remove all loose material, rust and any oil based residue where the product will be applied. This can be done by wire brushing, sanding, grinding or sand blasting the surface

Pot life & Curing

The product has a 30 minute pot life at an ambient temperature of 25°C. Should the temperature increase, expect an accelerated reaction. In typical applications the product will be touch dry in 5 hours and fully cured in 7 days.

Application

Mixing- the product consists of two parts, with a mix ratio of 2:1 (Part A=2 and Part B=1) and mix in a separate vessel until colour is uniform

Application- apply the product by trowel or by hand, using gloves.

Limitations

Working temperature between 5-30°C

Safety & Handling

Epoxy resin components may cause skin irritation. The product is low in acute oral toxicity. At room temperature, there is exposure to vapours from the product that may cause allergic skin reaction in humans. Safe handling can best be accomplished by adhering to the following rules:

- Work in well ventilated areas
- Wear PVC gloves, safety glasses and aprons
- Use soap and water after using epoxies to remove any residue
- In the event of contact with eyes flush with copious amounts of water. Seek immediate medical attention
- Prior to mixing and curing the product is harm full to the environment

Packaging

The product is a 2 component kit. The following kit sizes are available; 1kg and 25kg

Shelf life & storage instructions

12 months when stored in a cool dry place, failure to comply with these recommendations will result in a reduction in shelf life

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