



## PRODUCT DATA SHEET

**PRODUCT CODE: E450**

### **PRECAST 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**

- Good chemical resistance
- High abrasion 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. Clean equipment with C830 brush master

#### **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 harmful 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

**Note:** The information and specifications provided is to the best of our knowledge. The technical data contained herein are true and accurate at the date of issue and are subject to change without prior notice. No guarantee of accuracy is given or implied. We guarantee our products to conform to ASHAK epoxerite quality control. We cannot be held responsible or liable, directly or indirectly for the use of our products, coverage, performance or injury resulting from use, as we have no control over the method of application used or site conditions. For further technical and method statements, contact our Technical representatives.