

## PRODUCT DATA SHEET

### Description

E440 is a 2 component solvent free low viscosity epoxy. The product is designed to repair medium to fine cracks in concrete. E440 conforms to of ASTM C-881 Type I & II, Grade 1, Classes B & C

### Principal uses

Injection compound for repairing cracks in concrete, crack sizes between 0,10 and 0,05mm in width

### Advantages

- Stabilizes cracks in concrete
- Superior adhesion to concrete
- Stronger than surrounding concrete
- High strength and modulus
- Chemical resistance

### Performance data

Product complies to ASTM C881-78 Type1, Grade 1, Class B&C

Adhesion to sandblasted steel	10 Mpa
Adhesion to Concrete	3,5Mpa (Failure)
Tensile strength	>22 Mpa
Compressive strength @24hours	40Mpa
Compressive Strength @7Days	57Mpa

### Viscosity

Temperature	Part A&B mixed
10 °C	1200cps
25 °C	452cps

### Surface preparation

Remove all dust from cracks, any loose material, rust and any oil based residue where the product will be applied. All surfaces must be clean, sound and dry.

Surfaces should be sound enough to provide sufficient strength for bonding of injection nipples

### Pot life & Curing

The product has a 35 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 6 hours and fully cured in 7 days.

### Application

*Mixing-* using a small trowel, mix component A with component B for 3 minutes or until uniform colour is achieved

*Application-* Seal up surface cracks insert injection nipple and apply product under pressure.

For further instruction please consult your local representative for a method statement regarding crack repairs

### Limitation

Working temperature between 5-35°C  
Maximum service temperature 70°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
- Remove any residue with soap and water
- In the event of contact with eyes flush with copious amounts of water. Seek immediate medical attention

**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 Epoxerite quality control. We cannot be held responsible or liable, directly or in 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.

- 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; 1ℓ, 2ℓ and 5ℓ

### **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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