

## **PRODUCT DATA SHEET**

### **Description**

E181 is a moisture insensitive, wet to dry epoxy adhesive in a paste consistency. The product is designed to meet the requirements of ASTM specification C881 type 2, grade 2, class B & C

### **Principal uses**

- For bonding Wet (Fresh) concrete to hardened (green) concrete
- Can also be used to coat steel to prevent any rusting

### **Advantages**

- Excellent bonding characteristics
- Extended open time
- High abrasion resistance
- High strength

### **Performance data**

Adhesion testing, concrete failure

### **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 40 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 4-6 hours and fully cured before concrete

### **Application**

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

*Application-* use a block brush to apply the product to the substrate. Do not apply concrete immediately wait for at least 45 minutes, but ensure concrete is poured with-in 36 hours from applying epoxy

### **Yield**

2-5m<sup>2</sup> per ℓ depending on the substrate profile and porosity

### **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; 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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