



## PRODUCT DATA SHEET

**PRODUCT CODE: E280**

### **POLYESTER ANCHOR GROUT**

#### **Description**

E280 is a 2 component free flow polyester grout, specifically designed for ultrafast anchoring of various components

#### **Principal uses**

Polyester grouts are formulated to provide a high strength chemical resistant grouting medium for anchoring of starter bars, dowels, foundation bolts, ground anchors and base plates for building systems, as well as rail and crane tracks vertically down into substrates

#### **Advantages**

- Can be placed into wet or damp holes
- Ultrafast setting
- High early strength
- Corrosion resistant
- Easy to mix and apply
- Good chemical resistance

#### **Performance data**

|                      |      |        |
|----------------------|------|--------|
| Compressive strength | 1day | 105Mpa |
| Tensile strength     | 7day | 13Mpa  |
| Flexural strength    | 7day | 34Mpa  |

#### **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 15minute 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 45 minutes and fully cured in 7 days

#### **Application**

*Hole preparation-* holes should be drilled using air or rotary percussive drilling equipment. If diamond core or non-percussive drills are used, the sides of the hole must be thoroughly roughened. Remove dust from holes compressed air

*Mixing-* pour the resin component into container supplied, while stirring, add the activated filler component. Once the filler component is completely added, mix further until smooth. A mechanical mixer such as a low speed drill or mixer paddle is recommended

*Application-* Once mixed, pour the grout into the drilled hole, taking care not to trap air or water. The fixing should be immediately pushed slowly down into the resin with a twisting action, displacing the resin up towards the top of the hole. The bolt must then be left undisturbed until the resin has set

#### **Limitations**

Do not use E280 below 5°C and above 30°C. Please note that temperatures exceeding 22° and high humidity would reduce pot life considerably

#### **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 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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