

PRODUCT DATA SHEET

Description

E151 is a non-slump aggregate filled epoxy paste for use in a wide range of building and civil engineering applications, where excellent substrate adhesion is required. The product is specifically designed at a 2:1 mix ratio for easy on site use

Principal uses

The product is developed where high mechanical strengths are required. The product bonds well to most masonry substrates

Advantages

- Good chemical resistance
- High early strength
- High tensile and flexural strengths
- High abrasive resistance
- Excellent adhesion to concrete and steel
- Insensitive to moisture

Performance data

Compressive strength 76Mpa

Shear strength 31Mpa

Tensile strength 12Mpa

E151 meets ASTM C881 Types I, II, IV, V, grade 3, class B&C

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

Application

1. **Mixing-** using a small trowel, mix component A with component B until uniform colour is achieved
2. **Application-** prior to application, ensure that the substrate is primed with E160 to ensure maximum adhesion. E151 can be applied with a trowel or by hand using gloves. Smooth off to a neat finish.

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 60 – 90 minutes and fully cured in 7 days

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
- Remove any residue with soap and water
- 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 two component kit.

The following kit sizes are available; 1ℓ, 2ℓ and 5ℓ

Shelf Life & Storage

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

Note

For further instruction please consult your local representative for a method statement on the product

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