



### PRODUCT DATA SHEET

**PRODUCT CODE: E155**

## **HYPALON JOINT AND CRACK SYSTEM**

### **Description**

E155 is a high performance joint and crack sealant system. The system consists of a flexible hypalon bandage which is anchored to an adjoining substrate with E155

### **Principal uses**

- Reservoirs
- Tunnels and culverts
- Water waste treatment plants
- Silos
- Industrial floors
- Roof connections

### **Advantages**

- It is installed over joints & cracks and allows for movement in more than one direction while maintaining a durable watertight seal.
- Suitable for repairing cracks in concrete for new and old concrete
- High performance joint sealant
- Accommodates joint movement
- Chemicals resistant

### **Performance data**

Compressive strength	69Mpa
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. Concrete must be older than 21 days

### **Application**

#### *PREPARATION OF THE HYPALON BANDAGE*

Use the thinner marked part C and thoroughly wipe both sides of the hypalon bandage. Allow to activate for between 1-8 hours.

### *USING EPOXY E155*

1. Use masking tape either side of the joint to provide a neat edge, and also over the middle of the new joint.
2. The epoxy consists of two parts; mix part B with Part A until uniform.
3. Apply the mixed product E155 by trowel onto both sides of the prepared joint surface. Layer thickness 2-3mm, 50-60mm wide on each side of joint.
4. Remove masking tape from middle of the joint whilst the placed 2mm thick epoxy is still wet.
5. Placed activated hypalon Bandage strip in position with the coloured tape facing upwards and roll it to remove entrapped air.
6. Apply E155 on top of the hypalon Bandage at layer thickness of 2-3mm and taper off over the edge of the hypalon bandage.
7. Remove masking tape from the hypalon Bandage and from the joint sides.
8. Smooth epoxy with brush.
9. hypalon overlap connections should be a minimum of 40-50mm and bonded with hot air welding gun and plate.
10. Clean equipment and brushes with *Brush Master C830*

### **Pot life & Curing**

The product has a 45 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  
Do not hand mix.

### **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 three component kit consisting of a 7.5l epoxy kit, 20m hypalon bandage tape and bandage thinners

### **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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