

# FC 125



## F.C.125 - Epoxy Resin

### Description

Miska FC125 is a low viscosity two part epoxy resin.

### Uses

- ◇ Sealing concrete
- ◇ Bonding wet concrete to dry
- ◇ Chemical grouting of dowels and bolts
- ◇ Sealing shrinkage cracks

### Features

- ◇ Excellent resistance to most chemicals
- ◇ Good bond to concrete and steel
- ◇ Impervious surface

### Properties

<b>Solids</b>	100% by volume
<b>Pot Life</b>	@ 20°C 20 minutes for 1kg unit
	@ 30°C 10 minutes for 1kg unit
<b>Cure Time</b>	@ 20°C Tack Free (2 hrs)
	Full Cure 3 days
	Note: FC125 will not cure below 10°C
<b>Compressive Strength</b>	120 – 130 mPa
<b>Tensile Strength</b>	30 – 40 mPa
<b>Tensile Bond Strength</b>	10 – 15 mPa
<b>Elastic Modulus of Compression</b>	15 – 17 x 10 <sup>3</sup> mPa
<b>Flexural Strength</b>	40 – 50 mPa

## Directions for Use

### A. Surface Preparation

#### Metal

All surfaces should be grit blasted to a white metal finish meeting the requirements of BS7079.SA3. Coating should be applied immediately.

#### Concrete

The surface should be clean, dry and free of foreign matter. Concrete should be fully cured and all cement laitance removed by grit blasting or similar.

### B. Mixing

Mix complete contents of Part A and Part B and stir until uniform. Use immediately.

**Coverage:** 2 – 4 sq.m / kg for sealing / bonding

**Note:** Shrinkage cracks should be enlarged to assist penetration of FC125. A silicone sealant bead can also be placed on either side of the crack to form a reservoir.

### **Bonding Wet to Dry Concrete**

FC125 should be applied to the dry concrete just before the wet concrete is applied to remain tacky during installation.

### **Grout of Bolts**

Grout holes should be 1 ¼ - 1 ½ diameter of bolt to be fixed.

### **Mix Ratio**

Parts A : B 1.38 : 1.00 by weight

### **Cleaning**

Use acetone to clean tools and equipment prior to FC125 curing, after use.

### **Packaging**

4kg Unit is approximately 3.5 litres

### **Storage**

Store in a dry and cool place (5 - 30°C). Shelf life is approximately 24 months.

### **Safety Instructions**

Avoid contact with skin and eyes. Wear protective clothing, gloves and eye protection and use barrier cream on exposed skin. Do not use in fully confined spaces without adequate ventilation.

If **swallowed** do not induce vomiting, rinse the mouth immediately and drink plenty of water. Phone a doctor or poison information centre on 131126.

If in **eyes**, irrigate with water for at least 15 minutes and seek prompt medical attention.

If on **skin** wash with soap and water for at least 15 minutes and remove contaminated clothing.

### **Fire**

FC125 will burn above 200°C. Acetone is flammable. Avoid heat and sources of ignition. In event of fire use CO<sub>2</sub> or foam extinguisher. Do not use a water jet.

Disclaimer: The information contained in this publication is intended to give a fair description of the products and their capabilities. No responsibility or liability by the manufacturers will be accepted for misuse, misreading or deviation from the recommended guidelines of these products. As new technology is introduced, or industry standards are altered, Miska reserves the right to alter existing specifications without notice.

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