

# Miska™ FC122™

Epoxy  
Bedding  
Mortar

## Technical Data Sheet

April 2019

### Product Description

**FC122™ is a trowelable epoxy mortar with excellent chemical and abrasion resistance providing a dense, impervious surface.**

FC122™ Epoxy Mortar is a high strength mortar and filler for the purpose of bedding mechanical expansion joint systems.

### Applications / Uses

**Apply to new and old concrete floors as a protective topping, repair of spalled concrete and as a mortar for general construction work.**

- Bedding of Expansion Joint systems
- Concrete joint nosing
- Concrete crack filler

### Features

- High abrasion resistance
- Excellent bond strength to concrete and steel
- Impervious surface that is easily cleaned
- Waterproof

### Chemical Resistance

Good resistance to alkalis and dilute acids, alcohol, petrol, xylol, mineral and vegetable oil, salt water.

### Surface Preparation

**Metal** – All steel surfaces must be Abrasive Blasted or mechanically abraded to meet or exceed AS1627.4 Abrasive Blast Cleaning to achieve Class 2-1/2 "Near White Metal" Blast Cleanliness.

**Concrete** – All foreign matter including cement laitance should be removed. No surface moisture should be present. Shot blasting or similar is recommended for best results.

### Mix Ratio

**By Volume** - 1 Part A : 1 Part B. Mix until a uniform colour is achieved. Then add filler (20 Kg Sand)

### Packaging

**25 Kg Unit =**  
Yields approx. 15 litres

### Shelf Life/Storage

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

### Clean up

Isopropyl alcohol



### Product Specifications

Property	Value
<b>Item Code:</b>	<b>EPFC122-5</b>
<b>Solids:</b>	<b>100% by volume</b>
<b>Pot Life:</b>	@ 20°C - 40 minutes
	@ 30°C - 30 minutes
<b>Cure Time:</b>	@ 20°C Tack Free (3 hrs)
	<b>Full Cure 7 days</b>
	<b>Note: Will not cure below 10°C</b>
<b>Compressive Strength:</b>	<b>100 – 120 MPa</b>
<b>Flexural Strength in Tension:</b>	<b>30 – 35 MPa</b>
<b>Adhesion to Concrete:</b>	<b>4 – 5 MPa</b>
<b>Modulus of Elasticity:</b>	<b>2 – 2.2 x 103 MPa</b>
<b>Co-eff of Linear Thermal Expansion at 20 - 50°C</b>	<b>37 x 10-6 / °C</b>

### 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 Safety** Avoid heat and sources of ignition. In event of fire use CO<sup>2</sup> or foam extinguisher. Do not use a water jet.

For additional information, refer to the MSDS.



**FC122 FOR PROFESSIONAL USE ONLY** Protective gloves, clothes, and splash resistant glasses recommended. Direct contact with skin should be avoided as it may cause skin irritation. Fatal if taken internally.

AUS: 1300 326 539 | NZ: 0800 88 22 55 | W: www.miska.com.au