

FC 122



F.C. 122 - Epoxy resin mortar

Description

A trowellable epoxy mortar with excellent chemical and abrasion resistance and providing a dense, impervious and coloured surface.

Uses

Applied to new and old concrete floors as a protective topping, repair of spalled concrete and as a mortar for general construction work. Typical installations include:-

- ◇ Process industry
- ◇ Bedding of machinery
- ◇ Light industrial areas
- ◇ Plant rooms

Features

- ◇ Excellent resistance to most acid, alkalis and wide range of chemicals
- ◇ High abrasion resistance
- ◇ Good bond to concrete and steel
- ◇ Impervious surface that is easily cleaned
- ◇ Waterproof

Properties

Solids	100% by volume
Pot Life	@ 20°C 40 minutes
	@ 30°C 30 minutes
Cure Time	@ 20°C Tack Free (3 hrs)
	Full Cure 7 days
	Note: FC122 will not cure below 10°C
Compressive Strength	100 – 120 mPa
Flexural Strength in Tension	30 – 35 mPa
Adhesion to Concrete	4 – 5 mPa
Modulus of Elasticity	70 – 80 mPa
Co-eff of Linear Thermal Expansion at 20 - 50°C	$37 \times 10^{-6} / ^\circ\text{C}$

Packaging

20kg Unit is approximately 12 litres

Chemical Resistance

Good resistance to alkalis and dilute acids, alcohol, petrol, xylo, mineral and vegetable oil, salt water, fruit juices, beer, wine and sugar.

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 & Use

Priming – Mix small units of FC125 epoxy resin and apply just prior to laying the mortar.

Application – Ensure complete units are mixed. Add complete contents of Part B to Part A and mix for 1 – 2 minutes by slow speed mechanical stirring. Add Part C (filler) and stir for several minutes until contents are uniform. Immediately spread mortar over the primer whilst it is still tacky.

Use steel trowel to compress and level the topping. To obtain a smooth surface for easy cleaning apply 1 or 2 coats of FC110 solventless epoxy coating within 24 hours of placing topping. If a non slip finish is required distribute non slip grains in the first coat of FC110.

Mix Ratio

Parts A : B 1.38 : 1.00 by weight

Cleaning

Clean equipment with acetone or similar solvent.

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

FC122 will burn above 200°C. Acetone is flammable. Avoid heat and sources of ignition. In event of fire use CO₂ 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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