

FC 120



F.C. 120 - Epoxy Mortar

Description

F.C. 120 is a specially formulated non sag epoxy based mortar.

Applications

Miska FC120 Epoxy Mortar is a versatile filler with high bond strengths for many applications in the building industry.

Uses include:

- ◇ Grouting bolts
- ◇ Filling voids in concrete
- ◇ Bedding of machinery
- ◇ Bonding bricks and ceramics
- ◇ Concrete joint nosing

Features

- ◇ Easy to use – equal parts by volume
- ◇ Good tensile and compressive strengths
- ◇ Long working time
- ◇ Good chemical and water resistance
- ◇ Water washable before curing

Properties

Solids	100% by volume
Pot Life	1 kg @ 20°C is workable for 40 minutes 1 kg @ 30°C is workable for 20 minutes
Cure Time	@ 20°C Tack Free (3 hrs) Full Cure 7 days Note: FC120 will not cure below 10°C
Tensile Strength	35-45 mPa
Tensile Shear Strength	10-14 mPa
Compressive Strength	100-122 mPa
Flexural Strength	17-18 mPa
Modulus of Elasticity	2 – 2.2 x 10 ³ mPa
Water Absorption	0.5-0.8% by weight (ASTM D570 – 10 days @ 25°C)

Chemical Resistance

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

Directions for Use

Surface Preparation

Metal – Clean the surface to remove all foreign matter. Preferably the surface should be sand blasted or mechanically abraded to a white metal finish.

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.

Mixing

Mix in ratios until a uniform grey colour is obtained.

Mix Ratio

By Volume 1 Part A (White)
 1 Part B (Black)

Packaging

10kg Unit is approximately 8 litres

Cleaning

Wash equipment with water before FC120 hardens.

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

FC120 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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