

Miska™ FC120™

Non Sag Epoxy
Mortar Adhesive

Technical Data Sheet

August, 2019

Product Description

FC120™ Non Sag Epoxy Mortar is a versatile filler/adhesive with high bond strength suitable for a variety of applications in the construction industry.

Applications / Uses

- Bedding of surface-mounted expansion joint systems:
 - CP Series
 - SP Series
 - RWMA Series
- Epoxy adhesive for use with Hypalon Water Barriers
- Fills small voids in concrete
- Concrete crack filler

Features

- Tensile and Compressive Strength superior to concrete.
- Water washable before curing
- Easy to use – equal parts by volume.
- Good chemical and water resistance.

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.

Packaging: 5 Kg Unit = approx. 4 litres

Self Life/Storage

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

Clean up

Wash equipment with Isopropyl alcohol or equivalent solvent before hardening.



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Product Specifications

Property	Value
Item Code:	EPFC120-5
Pot Life:	@ 25°C is workable for approx 30 minutes @ 30°C is workable for approx 20 minutes @ 20°C Tack Free (3 hrs)
Cure Time:	Full Cure 7 days Note: Will not cure below 10°C
Max Operating Temp:	650C
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)

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 CO₂ or foam extinguisher. Do not use a water jet.

For additional information, refer to the MSDS.



FC120 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.

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