

# Megapoxy PM

## EPOXY PASTE

### Description

MEGAPOXY PM is a specially formulated non-sag epoxy paste filler and adhesive. This product gives excellent results where a sag resistant or gap filling adhesive is required for high strength permanent bonds.

### Typical Uses

Bonding, filling and repairs to most materials of construction including:

Fibre cement sheet and pipes

Bricks and ceramics

Concrete

Granite and Marble

Fibreglass

Metals

### Features

Simple 1:1 mix ratio

Solvent free.

High bond strengths

Gap Filling and non-sag on vertical surface

Adheres and cures under adverse conditions

Tensile and compressive strengths superior to concrete

Good chemical resistance

### Packaging

Available in two sizes in resealable plastic pails:

4 litres kit. Part A – 2 litres, Part B – 2 litres

20 litres kit. Part A – 10 litres, part B – 10 litres

### Technical Data

#### Product as supplied

Part A Filled epoxy resin - white paste

Part B Formulated hardener – black or beige paste

#### Mix Ratio

1 part A to 1 part B by Volume

100 gms Part A to 86.7 gms Part B by weight

### Cured Properties

Density: approx. 1.45 kg per litre

Maximum Operating Temperature: 70°C

Compressive Strength (Ultimate): 80 Mpa

Tensile Strength: 25 MPa

Tensile Bond Strength: 10 MPa

Flexural Strength - 15 MPa

Coefficient of Linear Expansion -  $60 \times 10^{-6}$  mm/mm°C

### Application Notes

#### Surface Preparation - General

Good adhesion can only be achieved if proper pretreatment of surfaces is carried out. With the exception of concrete, surfaces should be degreased, grit blasted or mechanically abraded and degreased again. Degreasing can be achieved using a solvent such as methylene-chloride, acetone, lacquer thinners (toluene), or trichloroethane etc; do not use alcohol, petrol or paint thinners. Wire brushing is not satisfactory giving minimal adhesion only.

#### Surface Preparation – Concrete

Must be free of grease, oil and other contaminants. If necessary clean with industrial grade degreasing agent. Once clean steps must be taken to remove laitance, this is best done by grit blasting, mechanical abrasion or acid etching are alternative methods.

**CAUTION!** Follow all safety precautions when using solvents

#### Mixing and Placement

Measure accurate proportions and mix thoroughly by trowel on a flat sealed board until uniform color. Avoid aeration of the mix. Apply to both surfaces to be bonded. Do not use high clamping pressures as glue starved joints and failures may occur. Do not apply at temperatures below 10°C.

#### Working Time (Pot Life)

40 minutes at 25°C

20 minutes at 35°C

#### Cure Time

24 hours at 25°C

## Clean Up

Spillage and excess should be cleaned up as soon as possible. Uncured Megapoxy PM can be removed using Megapoxy Thinners or warm soapy water. Once the product has cured only severe heat or prolonged immersion in a powerful solvent will break it down.

## Storage

MEGAPOXY PM has a shelf life exceeding one year sealed in the original containers and stowed in a dry environment at 15 to 25°C.

## Safety Precautions

Avoid contact with uncured product at all times. Use protective clothing including safety glasses and apply a barrier cream to skin areas that could be exposed. Refer to Material Safety Data Sheets for further information.

## First Aid

If swallowed, DO NOT induce vomiting, give a glass of water and contact a Doctor or the Poisons Information Centre. If in eyes, hold eyes open and flood with copious amounts of clean water for at least 15 minutes and contact a Doctor. If skin contact occurs, remove contaminated clothes and wash skin with soap and warm water. If allergic response (irritation, wheezing, etc.) occurs seek medical advice. Refer to Material Safety Data Sheets for further information.

### NOTE

*As conditions may vary considerably in consuming industries, buyers and users must assess this product's performance for their own requirements or contact the manufacturer or supplier for specific recommendations.*

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