

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 and repairs to most materials of construction including;

- ⊕ Fibre cement sheet and pipes
- ⊕ Concrete, bricks and ceramics
- ⊕ Metals
- ⊕ Granite and Marble
- ⊕ Fibreglass

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

Kit size 8.8kg : Part A - 7.9kg

Technical Data

Product as supplied

- ⊕ Part A epoxy resin - white paste
- ⊕ Part B formulated hardener – cream or black paste

Mix Ratio

1 parts A to 1 part B by Volume
100gms Part A to 86.7gms 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: $60 \times 10^{-6} \text{mm/mm}^{\circ}\text{C}$

Application Notes - General

Preparation

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

Should 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).

Mixing and Placement

Measure accurate proportions and mix thoroughly by trowel on a flat sealed board until the colour is uniform. Avoid aeration of the mix. Apply to both surfaces to be bonded. Do not use high clamping pressures as flue starved joints and failure 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

Cleaning

Spillage and excess should be cleaned up as soon as possible. Uncured Megapoxy PF 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 PF has a shelf life exceeding one year sealed in the original containers and stowed in a dry environment at 15°C 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.

Manufactured by
Vivacity Engineering Pty. Ltd.
A.C.N. 001 666 557
3 Sefton Road Thornleigh NSW 2120
Phone: (02) 875 3044
QUALITY ASSURANCE TO AS 3902
NATA Accreditation. Reg. N^o. 6219



Distributed by:

Permotech

Phone (08) 9303 4655

Fax (08) 9303 4677

U1/4 Achievement Way
Wangara WA 6065