

Megapoxy PM Gun Grade

EPOXY PASTE – SELF MIXING CARTRIDGES

Description

MEGAPOXY PM Gun Grade is a specially formulated non-sag epoxy paste filler and adhesive supplied in twin self mixing cartridges. This product gives excellent results where a sag resistant or gap filling adhesive is required for high strength permanent bonds.

Typical Uses

- ⊕ Bonding metal rods and other inserts into concrete and masonry. Refer to separate data sheet for load capacities.

Bonds effectively to;

- ⊕ Fibre cement sheet and pipes
- ⊕ Bricks and ceramics
- ⊕ Concrete
- ⊕ Granite and marble
- ⊕ Fibreglass
- ⊕ Metals

Features

- ⊕ Simple 1:1 mix ratio
- ⊕ Self mixing
- ⊕ Solvent free
- ⊕ High bond strengths
- ⊕ Adheres and cures under adverse conditions
- ⊕ Tensile and compressive strengths are superior to concrete
- ⊕ Good chemical resistance

Packaging

Supplied in a twin cartridge, 600mL

Technical Data

Product as supplied

- ⊕ Part A 300mL epoxy resin - white paste
- ⊕ Part B 300mL formulated hardener –black paste

Mix Ratio

1 parts A to 1 part B by Volume

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 for Rods and other Inserts

Remove plugs from ends of cartridges and attach mixing nozzle, place in Applicator Gun. Expel product with gun to waste until a mixed uniform product is evident at the nozzle end. Apply by inserting nozzle into bottom of hole and expel epoxy whilst slowly withdrawing the nozzle, expel enough epoxy to fill the hole when the rod or other insert is pushed into place (usually approximately 1/3 full) and then push the insert into hole. 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.

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