

MEGAPOXY PM

GAP FILLING EPOXY PASTE ADHESIVE FOR CIVIL ENGINEERING USE

MEGAPOXY PM is specially formulated non-sag epoxy filling paste and adhesive. This easy to use two-part epoxy product sets after mixing with excellent properties ideally suited for the following applications.

BONDING

Precast concrete articles
Grouting bolts
Natural stones
Bricks and ceramics
Metals

FILLING AND REPAIR

Concrete Pipes and Tanks
Fibreglass articles
Concrete floors and stairs
Concrete columns
Insitu formed concrete

ADVANTAGES

Simple 1 : 1 mix ratio
Creamy texture, blends easily
Non sag on vertical surfaces
Rapid setting
Adheres and cures under adverse conditions (cold and damp)
Good strength retention after prolonged immersion in water
Tensile and compressive strength superior to concrete
Very good chemical resistance

PRODUCT SPECIFICATION

| | <u>PART "A"</u> | <u>PART "B"</u> |
|-------------|-------------------|-------------------|
| Consistency | Thixotropic paste | Thixotropic paste |
| Colour | White | Black or Neutral |
| Flash Point | Above 100°C | Above 100°C |



SURFACE PREPARATION

METALS Should be grit blasted to clean surface.
Mechanically abraded and degreased.
Wire brushing is not entirely satisfactory and gives minimal adhesion only.

CONCRETE Should be free from grease and oil. If necessary, clean with industrial grade degreasing agent. Once clean, steps must be taken to remove laitence; this is best done by using :
Mechanical abrasion
Acid etching - concentrated hydrochloric acid (muriatic acid) 1:1 with water, and spreading 0.5 litre of this mixture to each square metre. After the reaction has ceased (about 10 minutes) the area is thoroughly washed and scrubbed with a stiff bristled broom to remove loose sand and allowed to dry for 24 hours.

PAINTED SURFACES :

Metals - a proprietary brand paint stripper should be used.
Concrete - the surface may be either flame cleaned or mechanically abraded.

PROCESSING DATA

Mixing Ratio : 1 part resin to 1 part hardener by volume
Mixing : Mix until uniform grey or white
Working life at 25°C : 45 minutes
Minimum application temperature : 15°C
Minimum Cure Time : 12 hours at 25°C
Full Cure Time : 4 days at 25°C

IMPORTANT INFORMATION

It is essential that the correct mixing ratio be used and that the Part "A" and Part "B" are thoroughly mixed together before use. Inaccuracies and poor mixing will result in lower physical properties of the cured system and, if the error is sufficiently large, the system may not cure satisfactorily and discolour on ageing.

CURED PROPERTIES (TYPICAL)

| | |
|---------------------------------|----------------------------------|
| Maximum operating temperature | : 70°C |
| Density | : 1.45 kg per litre |
| Tensile Strength | : 25 MPa |
| Tensile Bond Strength | : 10 MPa |
| Compressive Strength | : 80 MPa |
| Flexural Strength | : 15 MPa |
| Coefficient of linear expansion | : 60 mm/mm/°C x 10 ⁻⁶ |

Properly mixed Megapoxy PM will not stain or discolour white or light coloured marble and ceramics.

AVAILABILITY

MEGAPOXY PM is available in 4 litre & 20 litre kits. Shelf life of unopened kits is 2 years minimum. Product should be stored in cool dry store.

CLEANING

Uncured Megapoxy PM can be removed with Megapoxy Thinners.

PRECAUTIONS

Avoid prolonged contact with skin. Wash affected areas with soap and warm water. For further information refer to Bulletin No.100 and Safety Data Sheet for Megapoxy PM.

