

# MEGAPOXY PM

## GAP FILLING EPOXY PASTE ADHESIVE FOR CIVIL ENGINEERING USE

**DESCRIPTION** 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.

USES	BONDING	FILLING AND REPAIR
	<ul style="list-style-type: none"> <li>• Precast concrete articles</li> <li>• Grouting bolts</li> <li>• Natural stones</li> <li>• Bricks and ceramics</li> <li>• Metals</li> </ul>	<ul style="list-style-type: none"> <li>• Concrete Pipes and Tanks</li> <li>• Fibreglass articles</li> <li>• Concrete floors and stairs</li> <li>• Concrete columns</li> <li>• Insitu formed concrete</li> </ul>

ADVANTAGES	
	<ul style="list-style-type: none"> <li>• Simple 1:1 mix ratio</li> <li>• Creamy texture, blends easily</li> <li>• Non sag on vertical surfaces</li> <li>• Rapid setting</li> <li>• Adheres and cures under adverse conditions (cold and damp)</li> <li>• Good strength retention after prolonged immersion in water</li> <li>• Tensile and compressive strength superior to concrete</li> <li>• Very good chemical resistance</li> </ul>

PRODUCT SPECIFICATION	PART "A"	PART "B"
<b>CONSISTENCY:</b>	Thixotropic paste	Thixotropic paste
<b>COLOUR:</b>	White	Black or Neutral
<b>FLASH POINT:</b>	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.
	<b>PAINTED SURFACES:</b> 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:	10°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.

<b>CURED PROPERTIES (TYPICAL)</b>	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 <sup>-6</sup>

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.

