

Epoxy Adhesive Twin Self-Mixing Cartridge System



Technical Data Sheet

DESCRIPTION	<p>Megapoxy PM DuoMix is a specially formulated twin self-mixing epoxy adhesive paste. This easy to use two-part epoxy product sets after mixing with excellent properties ideally suited for a wide range of applications.</p> <p>Megapoxy PM DuoMix is volatile organic compounds free (Nil VOC). Ideally suited for pin and anchor fixing.</p>																					
RECOMMENDED APPLICATIONS	Bonding <ul style="list-style-type: none"> • Precast concrete articles • Metal to metal or concrete • Grouting bolts • Grouting stone anchor pins • Bricks and ceramics • Bonding compressed cement sheet 	Filling and Repair <ul style="list-style-type: none"> • Concrete pipes and tanks • Fibreglass articles • Concrete floors and stairs • Concrete column • Insitu formed concrete 																				
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<p>CHARACTERISTICS</p>	<ul style="list-style-type: none"> • VOC Free • Simple 1:1 mix ratio • Creamy Texture, blend easily • Simple Cartridge Application • High Strength Adhesion to Stone Pins and Steel Dowels • High strength permanent bonds • Excellent tensile and compressive strengths, superior to concrete • Excellent chemical resistance • Flash Point above 200°C
<p>SURFACE PREPARATION</p>	<p>Concrete</p> <p>Concrete should be free from grease and oil. If necessary, clean with industrial heavy duty degreaser. When clean, remove surface laitance. This is best done by mechanical abrasion such as scabbling, grit blasting or grinding. If this is not possible acid etching must be carried out. Mix concentrated hydrochloric acid with equal volume of water and spread at the rate of 0.5 litre per square meter of concrete surface. Allow to react for about 10 minutes and wash the area thoroughly and scrub with a stiff bristled broom to remove loose sand. Allow to dry for 24 hours. For maximum adhesion the concrete should be surface dry.</p> <p>Metal Surfaces</p> <p>Metals should be grit blasted to AS CK 9.4 - 1964 Class 3 finish. If this is not possible, mechanically abrade the surface to a clean, bright metal surface. Once this abrasion is complete, degrease the surface by flooding with an industrial grade degreaser. Wire brushing is not entirely satisfactory and gives minimal adhesion only.</p> <p>Pin Fixing</p> <p>Drill a hole in the floor or wall to the desired diameter and depth.</p> <p>Remove dust by using a steel wire or natural bristle brush, clear remaining dust with air tool by blasting into hole.</p> <p>After placing mixing nozzle onto cartridge, squeeze trigger to start mixing process through the nozzle, make sure the epoxy is streak free and of uniform colour. Insert nozzle into prepared hole, fill hole with epoxy.</p> <p>Insert the stud/anchor into the hole while rotating back and forth through the epoxy to the drilled embedment depth.</p> <p>Allow to cure.</p> <p>Note: The hole cleaning procedure is extremely important, excess dust in the hole will reduce the bond strength of the pin/anchor into the substrate.</p>
<p>IMPORTANT INFORMATION</p>	<p>It is essential that the product is streak free and of uniform colour prior to application before use. Inaccuracies and poor mixing will result in lower physical properties of the cured system.</p>
<p>CLEANING</p>	<p>To keep mixing implements and working tools clean, use Megapoxy Thinners. Use disposable rubber gloves to protect hands and maintain proper industrial hygiene. For further details refer to the Megapoxy PM DuoMix Safety Data Sheet.</p>
<p>PACKAGING</p>	<p>Megapoxy PM DuoMix is available in 600ml twin-pack cartridges and is Grey. Product should be stored in cool dry store.</p>
<p>TECHNICAL SERVICE</p>	<p>All purchasers of Megapoxy Products, are encouraged to avail themselves of our Technical Service for our Megapoxy Products. The information in this Bulletin is correct at time of publication, however continual research and development is being carried out and specs may change without notice.</p>