

Megapoxy P1 Epoxy Paste 4L Kit

Product Images



Short Description

Megapoxy P1 is a two-component high strength epoxy paste based on epoxy resin and carbonate free filler. Easy to use, this product sets quickly after mixing. It is ideal for structural bonding and repairs of precast concrete. Megapoxy P1 is suitable for protection of reinforcing steel where the concrete cover is insufficiently thick. Additionally, it can be applied directly to steel to prevent corrosion.

Description

Megapoxy P1 is a two component gap filling adhesive based on DGEBA epoxy resin and carbonate free filler. Easy to use, this product sets after mixing with excellent properties for a wide range of applications. It is VOC free and is suitable for use in repairs of structures that are in contact with potable water.

Megapoxy complies with AS/NZS 4020:2005 Testing of Products For Use In Contact with Drinking Water. It is also resistant to hydrogen sulphide that may be present in pipes and plants used for treatment of sewage.

Testing shows that a minimum 3 mm layer of Megapoxy P1 provides protection to reinforcing steel equivalent to approximately 50 mm of concrete cover.

Features:

- VOC Free
- Simple 1:1 mix ratio
- Creamy texture blends easily
- No sag on vertical & overhead surfaces
- Adheres and cures under cold and damp conditions
- Good strength retention after prolonged immersion in water
- High strength permanent bonds
- Excellent tensile and compressive strengths, superior to concrete
- Excellent chemical resistance

APPLICATION

Surface Preparation:

Metals should be grit blasted to clean surface. If this is not possible, mechanically abrade to clean bright metal surface and degrease by flooding the abraded surface with Megapoxy Thinners. Wire brushing is not entirely satisfactory and gives minimal adhesion only.

Concrete should be free from grease and oil. If necessary, clean with industrial heavy duty degreaser. When clean, remove surface laitence. 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 metre (m²) 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 concrete should be dry.

For painted surfaces, steps should be taken to remove all paint.

Mixing:

Mix 1 part resin to 1 part hardener by volume until it is a uniform colour. 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.

Clean Up:

To keep mixing implements and working tools clean use Megapoxy Thinners. Use disposable rubber gloves to protect hands.

Storage:

Shelf life of unopened kits is 2 years minimum. The product should be stored in a cool, dry place.

Additional Information

CODE	40-MPP1-4L
U.O.M	Each
Colour	Grey
Suits Substrate	Brick, Ceramics, Concrete, Stone
Brand	Megapoxy
Size	4 L
Appearance / Composition	Multi-Part Mixture
Cure Time	4 Days at 25 Degrees Celsius
Compressive Strength at 28 days (MPa)	80 (typical)

