

DATA SHEET

EPO100EP

EPOXY PUTTY

2 PACK, CRACK REPAIR KIT



DESCRIPTION

Epoxy Putty is a two part construction strength repair paste for concrete. It is extremely high strength, fast curing, and easy to apply after mixing. Ideal for filling and repairing holes, cracks, and damage to concrete surfaces. Epoxy Putty is low VOC and is resistant to a wide variety of chemicals. Suitable for use in preparation for the application of most APC systems.

PRODUCT INFORMATION

Pot Life	30 minutes after mixing.
Shelf Life	1 year. Store in a cool, dry area and out of direct sunlight
Mixing	(1:1) 1 Parts EPO100EP (Part A):1 Part EPO100EPH (Part B)
Coverage	Highly Variable
Clean Up	Clean tools with 150 Epoxy Thinners while still wet
Recoat Time	1 hour or once firm
Return to Service	Initial hardness: 1 hour Full chemical cure: 7 Days at 25°C
Colour	Grey, when mixed (may yellow or darken when exposed to sunlight)

RECOMMENDED USES

- Concrete columns and pre-cast concrete
- Crack repair
- Patching and joint filling
- Grouting bolts
- Bonding compressed cement sheets
- Concrete pipes and tanks
- Flush-filling countersunk screws in Fibre cement sheets
- Structural repairs

FEATURES & BENEFITS

- Excellent chemical resistance
- Excellent adhesion
- High build application
- Extreme impact resistance
- Low VOC
- Kit Size: 2L, 4L & 20L
- Extreme bond strength


ENVIRONMENTAL CONDITIONS

Temperature and the surrounding atmospheric conditions will play a part in the curing process. Attention also needs to be paid to the substrate temperature which should be NO LESS than 5°C.

Industry standards recommend the accurate recording of times and dates, batch numbers, consumption rates, and environmental conditions including the substrate and air temperatures, humidity levels, and dew point readings during both the application and curing process. Full material warranties cannot be provided unless all the relevant data has been recorded accurately.

SURFACE PREPARATION

- Ensure the concrete is sufficiently cured to the recommended minimum of 28 days from completion.
- Diamond grind the substrate. The surfaces must be clean, dry, and free from all traces of loose material, old coatings, curing compounds, release agents, laitance, oil, and grease, etc. This must be completed by diamond grinding or a suitable cleaning method.
- To check that all traces of oil and other contaminants have been completely removed, sprinkle a few drops of water over the surface. If all water is quickly absorbed, the surface is sufficiently oil and grease-free.
- If water forms into globules that remain on the surface, further thorough treatment of the substrate is necessary.
- Substrate compression strength should be at least 25MPa, cohesive bond strength at least 1.5MPa, and moisture content below 4%.

 Refer to individual SDS and Installation Instructions for system specifications and recommended PPE.

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PRODUCT APPLICATION

Thoroughly mix (1:1) 1 Part A Epoxy Putty with 1 Part B Epoxy Putty Hardener (1:1) on a smooth surface with a spatula. No induction time is required and repairs can begin immediately. Spatula or trowel mixed putty mixture into clean cracks, joints, divots or other areas needing repair. Grind surface flat and level before coating to ensure a desirable appearance.

MIXING

- Mix Part A and Part B individually prior to combining.
- Combine 1 Part A and 1 Part B by volume.
 - Part A is white in colour, compared to Part B which is a dark grey.
- Thoroughly mix until a light grey is formed. Inaccuracies and poor mixing will result in lower physical properties of the cured system. If the error is great enough, the system may not cure to satisfaction.

PHYSICAL PROPERTIES

Rate of Burning	ASTM D635: Self-Extinguishing
Bond Strength to Concrete	100% Concrete Failure
Impact Strength	75 MPa
Minimum Application Temperature	5°C

CAUTIONS


- Do not use the same mixing tool in both Part A and Part B as this will cross-contaminate the product.
- Cross contamination will cause lumps in the individual tins.
- Spills, including water should be cleaned up as soon as possible.

In an emergency, contact the Poisons Information Centre on 13 11 26 or a doctor for advice.

IF THE SITUATION IS LIFE THREATENING, DIAL 000 IMMEDIATELY.

DISCLAIMER: Please ensure you read the SDS & TDS thoroughly & carefully before the use or application of any All Purpose Coatings product. These documents contain information in context to how you will apply the product, including if it is being used in conjunction with any other products or systems, and to what surface the product will be applied. All-Purpose Coatings Pty Ltd does not accept any liability either directly or indirectly for any losses that arise from the use or application of the product in accordance with any advice, specification & recommendation given by the companies' documentation or representatives at any point in time. Application, performance & safety data may change from time to time. It is the user and/or applicators' responsibility to ensure they have the latest copy of any documentation pertaining to their project.

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