

EPO100ACCH ACCELERATOR

Epoxy Accelerator Hardener



Description

Epoxy Accelerator Hardener is a high amine content curing agent. Substitute part of the existing hardener (Part B) with the Epoxy Accelerator to reduce dry times. Due to its yellowing nature, this should only be used as a Primer or in Mortars and Crack Repair.

Recommended Uses

- Used within the APC systems to reduce cure times.
- Fast return to services
- Patching and mortar

Features and Benefits

- Decrease curing time
- Quick return to service
- Good chemical resistance
- 100% solids system
- Solvent free
- Low VOC's (Volatile Organic Compounds)
- Australian Made

Product Information

Mixing Ratio Cure Times

Substitute part of your EPO100T Part B **OR** EPO100C Part B with Accelerator at a rate of 10-40% for a quicker tack-free time:

10% - 6 Hours
20% - 4 Hours
30% - 2 Hours
40% - 1.5 Hours
Pot life is greatly reduced.

Shelf Life Clean Up

2 years. Store in a cool, dry area and out of direct sunlight.
Epoxy will not begin to soften until 90°C.
Clean tools with 150 Epoxy Thinners while still wet and discard rollers and brushes.

Read cautions prior to use.

Maintenance Testing Information

Cure times completed at 25°C in a 100g container or at 200µm.

Environmental Conditions

Temperature and the surrounding atmospheric conditions will play a part in the curing process of all epoxy products. Under conditions of low temperatures and high humidity, the final cured surface finish can be adversely affected potentially resulting in poor gloss retention, discolouration over time, poor overcoat ability, and inter-coat adhesion. Quite often these conditions will result in the formation of a white film over the surface often evident after contact with water. This chemical reaction with the atmosphere is commonly referred to as "amine bloom" or "amine blush".

If this occurs then the existing coating will need to be abraded to completely remove the affected surface to ensure the adhesion of subsequent application. In some cases, partial or complete re-priming may be necessary. Attention also needs to be paid to the substrate temperature which should be at least 10°C and preferably 5°C above the dew point during the curing phase. The ideal humidity is less than 60%. 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.



EPO100ACCH ACCELERATOR

Epoxy Accelerator Hardener



Surface Preparation

- Ensure the concrete is sufficiently cured to the recommended minimum of 28 days from completion.
- Diamond grind or Polyvac 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%.
- Repair and fill cracks with EPO100EP Epoxy Putty or Concrete Repair Kit.

CAUTION

- Avoid contact with skin and eyes. Use full PPE during application including but not limited to, gloves, mask and goggles.
- Provide adequate ventilation when using in confined spaces.
- The mix ratio is calculated by product volume. NOT BY PRODUCT WEIGHT. Mixing product by weight may result in an unsatisfactory cure time or failure of the mix to cure entirely.
- Due to EPO100ACCH's low yellowing resistance, use only as a primer coat or in epoxy mortar and crack repair mixes.
- The more Accelerator used the more brittle and yellow the cured Epoxy becomes.
- All Solvents, corrosives and spills should be cleaned up as soon as possible.
- **The more Accelerator used the more brittle and yellow the cured Epoxy becomes.**

**FOR PROFESSIONAL USE ONLY:
EPO100ACCH IS EXTREMELY CORROSIVE. FAILURE TO USE
APPROPRIATE PPE COULD RESULT IN SERIOUS INJURY.**

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

NOTE: Refer to individual Installation Instructions & SDS for mixing instructions, recommended PPE during preparation & application of products.

1800 437 699 | SALES@ALLPURPOSECOATINGS.COM.AU | 16 HAWKINS CRESCENT, BUNDAMBA, QLD 4304.

TECHNICAL DATA SHEET APC V0224