ALLPURPOSE COATINGS

(07) 3703 2609
Unit 12 / 10 Boron Street
Sumner Park QLD 4074
www.allpurposecoatings.com.au

TECHNICAL DATA SHEET

EPO100 MT

DESCRIPTION

Two pack epoxy high solids, polyamine cured epoxy maintenance coating. The distinctive structure of polyamine imparts a unique combination of desirable properties to the coatings derived from them such as rapid cure, even at low temperatures down to 5°C with a workable pot life and have the ability to resist moisture while curing, making it ideal for cold and damp conditions.

USE

- Maintenance and Marine Coatings
- Containers and tanks
- Pipe and Bridge Coatings
- Primers for steel and concrete
- Automotive aftermarket
- Floorings
- Electrical Castings

FOR USE ON MINERAL-BASED AND METAL SUBSTRATE SUCH AS:

Mild, Stainless and Aluminum steels when mechanically abraded.
Concrete
Mortar
Stone
Epoxy Modified Mortars

FEATURES

Tenacious bond to most substrates

- High mechanical properties
- Good adhesion to wet and dry substrates
- Good chemical resistance
- Moisture tolerant during cure
- Non-critical mix ratio
- Easily cleaned and maintained
- Waterproof

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RESISTANCE TO CHEMICAL SPILLS (7 days at 25deg.C)

Ammonia Solution (20%)	Sodium Hydroxide (30%)
Sulphuric Acid (30%)	Kerosene
Lactic Acid (5%)	Aviation Fuels
Sodium Chloride (50%)	Petrol
Tannic Acid	Hydrochloric Acid (20%)
Acetic Acid (5%)	Toluene

COLOURS ARE PRODUCED AS CLOSE AS POSSIBLE TO PRODUCTION STANDARDS

- Where colour shade is critical, a site trial is strongly recommended prior to proceeding with the work.

- Ensure that finishing and application techniques remain consistent to prevent colour variations

- Note that some bright colours may require additional pigment packs to prevent opacity

- Under direct sun light there may be some discolouration and colour variation; this has no influence on the function and performance of the coating.

MIXING INSTRUCTIONS

Mix Part 'A' thoroughly.

Mix 3 parts 'A' with 1 part 'B".

Mix thoroughly

SURFACE PREPARATION

Surfaces must be clean, free from all traces of loose material, old coatings, curing compounds, release agents, laitance, oil and greases etc. Structurally unsound layers and surface contaminants must be mechanically removed by abrasive blasting, blast-tracking or grinding. Substrates heavily impregnated with oil must be cleaned by torching or suitable solvent cleaning methods.

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APPLICATION

First thoroughly stir the epoxy base (Part A) to redistribute the pigment. If using more than one kit, compare the epoxy base (Part A) for color matching. Base colors may vary slightly between different batches. If the colors are noticeably different, mix all the epoxy base containers together to obtain a uniform color before mixing with the curing agent. Mix EPO100 MT epoxy base (Part A) with the curing agent (Part B). Use a mechanical mixer to ensure thorough mixing. The mixing ratio is 3/1 (base/curing agent) by volume. Make sure that both components are thoroughly mixed along sides and bottom of container. Unmixed components will result in 'hot spots' that will never cure.
EPO100 MT does not require a 'sweat-in' or induction time and the mixed components should be used immediately.

Pot life for a 10L batch is approximately 30 minutes at 25°C, so mix only the amount of epoxy that can be easily applied within that time limit.

Note that exposure to sunlight and UV radiation can result in discouloration and slight chalking. This will have no adverse effect on the protective function of the coating.

Epoxy coatings can be top-coated with a UV absorbing coating such a Flexithane, this will prevent chalking and discouloration.

SAFETY PRECAUTIONS

Avoid contact with heat and naked flame
Avoid contact with skin and eyes
Use gloves, mask and goggles during application
Provide adequate ventilation when using in confined spaces.

IMPORTANT NOTICE:

Read the MSDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact the Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.