EpiMax940

CLEAR and COLOURED

High Durability
External Coating System - Anti Graffiti

Description

EpiMax 940 High Durability External Coating System - Anti Graffiti is a two component, high gloss polyurethane coating system that is crosslinked and cured with select aliphatic curatives and delivers excellent gloss and colour retention to both external concrete and steel structures.

EpiMax 940 (formerly EpiMax 777X) builds on the project success of the EpiMax 777UHD range.

EpiMax 940 has been specifically developed for high solids roller or airless spray application. It is a high build polyurethane coating designed to be used over a wide range of suitably prepared substrates such as mild steel, galvanised steel and concrete.

It is used in both industrial and marine environments subject to high UV exposure. EpiMax 940 finds application to accommodate reduced concrete cover (5 - 10 mm) in Coastal, B2, exposure classification areas.

AS 3600, the Australian Standard for Concrete Structures, specifies requirements for designing and constructing concrete structures, including those in coastal areas. For concrete exposed to marine environments, it details specific exposure classifications and design considerations for durability.

The Coastal Zone within AS 3600 is defined as those areas within 1 km of the shoreline.

Advantages

- Colour choices
- Fast cure time
- Good chemical resistance
- UV resistant
- Good work time
- Anti-graffiti properties

Typical applications

- External wall coatings
- Bridge infrastructure protection
- Steel and concrete structures

Typical properties

- Mix ratio: 3 Part A to 1 Part B by volume
- Volume solids: 55% (clear) - 65% (coloured)
- Work time: 45 minutes at 25ºC
- Re-coat window: 6 - 12 hours at 25ºC
- Wear resistance: Excellent
- Specific gravity: 0.98 (clear) - 1.25 (coloured)
- Touch dry: 2 - 3 hours approx. at 25ºC
- Full cure: minimum 72 hours at 25ºC

Film thickness

	Low	High	Recommended
Theoretical application	13 m^2/L	6.4 m^2/L	10 m^2/L
Wet film thickness	78 micron	157 micron	100 micron
Dry film thickness	50 micron	100 micron	65 micron

Application conditions

To avoid condensation, apply to prepared surfaces with an ambient temperature that is at least 3°C above the prevailing dew point.

Pre-condition product to 25°C.

Surface temperature must be above 15°C during application and application.

Ambient temperature must be above 17.5°C during application.

Relative Humidity must be below 85%.

Estimating data

8 - 10 m^2/L recommended application rate.

General surface preparation

Surfaces should be clean, sound and free from moisture, grease, oil, dirt, rust, loose paint, and other contaminants.

Concrete surfaces should be prepared to CSP 2 minimum and then primed with EpiMax 225 at 4 - 6 m^2/L, depending on porosity. Prepare steel to AS 1627.4 Abrasive Blast Cleaning Class 2.5 and prime immediately to hold the blast from flash rust with EpiMax 225 at 5 - 7 m^2/L. Select EpiMax 225 LM for crack propagation control.

Over-coating applications

If sealing freshly applied epoxy coatings, apply within re-coat window. If sealing old epoxy coatings, abrade first and confirm adhesion in a test area.

Packaging

EpiMax 940 is available in 20 L kits, prepackaged in correct proportions for use.

Safety precautions

Read **Safety Data Sheet** before commencing any application. Keep away from children. Avoid contact with skin and avoid breathing vapour. Always provide adequate personal protection (gloves and goggles etc) during use. Always provide adequate ventilation, especially in confined spaces. If poisoning occurs, call Doctor or Poisons Information Centre. Phone 13 11 26. If swallowed, DO NOT induce vomiting. Give plenty of water or milk. If skin contact occurs, quickly remove contaminated clothing and wash affected areas thoroughly with soap and water.

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EpiMax

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