



EpiMax 999HB

Fast Drying Protective Finish

Description

EpiMax 999HB Fast Drying Protective Finish is a haz-mat free, water based, two pack pigmented epoxy system formulated to provide ease of application, fast hardening and excellent adhesion to steel, concrete and other prepared and stable surfaces.

It is just one of the versatile new generation epoxy systems available from EpiMax all with the safety and environment benefits of being hydrocarbon solvent free. These systems are an excellent alternative to solvent-based epoxies in situations where a low odor, low VOC or fast drying system is required.

This system protects floors, walls and equipment from splashes and spills of corrosive solvents, acids, alkalis and salts.

EpiMax 999HB provides superior abrasion and stain resistance in demanding applications.

EpiMax 999HB is specified for a variety of applications and can be top - coated with EpiMax 777HD High Performance Seal Coat System for high traffic exposure decorative projects if required.

This system is also available in a high traction version, EpiMax 999HB-S (Safety), which is specially formulated to provide a unique skid resistant surface to the equivalent of an R10 rating that is still easily cleaned.



Advantages

- Fast hardening
- Haz-mat free technology
- Long lasting durability
- Simple mixing - easy application
- Excellent adhesion to concrete
- Variety of colours available

Typical applications for general concrete protection & dust sealing

- Warehouses
- Factories
- Car parks
- Plant rooms

Typical applications for general equipment protection

- Mining facilities
- Power generation
- Municipal water & water treatment
- Marine and coastal facilities

Typical properties

- Shelf life: 12 months
- Mix ratio: 3 volumes Activator: 4 volumes Base
- Work time: 4 hours at 25°C
- Full cure time: 5 days at 25°C
- VOC rating: Meets Green Building Council of Australia IEQ-13
- Set to touch: 45 - 60 minutes at 25°C (depends on air flow)
- Recoating window: 6 - 12 hours at 25°C
- Coverage/18 litre pack - theoretical 180 m²/coat

Estimating data

18 ltr EpiMax 999HB Fast Drying Concrete Protective Finish = 90 m² (typical 2 coats)

Sub-floor preparation

Concrete should be at least 28 days old. Ensure sub-floor is clean, dry and free of additives, curing agents, oils, etc. Prepare sub-floor by acid etching/neutralizing/washing, professional grinding or captive blast cleaning as applicable to expose firmly adhered aggregate. Allow to dry if wet. Always confirm preparation adequacy. Surface profile should meet CSP 2.

Priming

Prime concrete sub-floor using mixed EpiMax 999HB at a rate of 10 sq m/litre. Protect all newly primed surfaces and allow to harden fully, but apply the final coat within 24 hours of priming. If this time is exceeded the sub-floor must be re-primed.

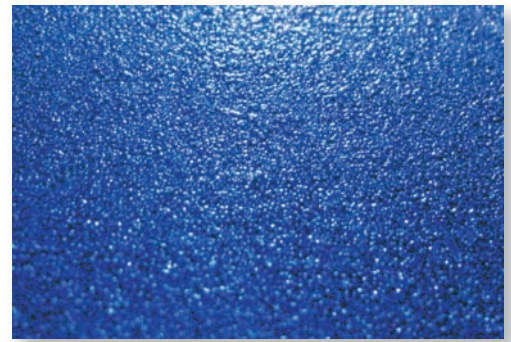
Application

Review the primed concrete area in advance so that a fixed volume of mixed material can be applied over a fixed area to ensure correct application rate. Select a slow speed (400 rpm) mechanical mixer and ensure thorough mixing. Add EpiMax 999HB Activator to EpiMax 999HB Base. Mix until uniform.

EpiMax 999HB can be applied by roller or airless spray.

For dust sealing industrial projects, a non-slip finish can be achieved by incorporation of suitable EpiMax Non Slip Additives. EpiMax 999HB can be applied as a single application sealing coat to reduce concrete dusting and resist oil spills. However, as with any single coat system the floor finish can vary considerably due to surface finish and porosity of the concrete floor. If coating performance requirements are critical, use EpiMax 333 High Solids Epoxy Coating.

EpiMax 999HB-S is applied in a similar fashion. A unique feature of this version is that it is a true two component system without the need for the addition or scattering of siliceous aggregates. It can be easily spray applied. The photograph at right shows a close-up of spray applied EpiMax 999HB-S.



General cleaning

Housekeeping is critical in keeping floor surfaces safe. Vacuum, wash, scrub or sweep daily in accordance with recommendations. Mechanical sweepers and scrubbers can provide excellent results. Verify that the frequency and effectiveness of the cleaning process is appropriate for site conditions. Remove spills immediately, scrub and allow the floor to dry completely.

Packaging

EpiMax 999HB is available in 18 litre packs (includes Activator, Base). It is pre-packed in correct proportions for use.

Ordering Information: EpiMax 999HB 60 litre #9099918

EpiMax 999HB-S is available in 18 litre packs (includes Activator, Base). It is pre-packed in correct proportions for use.

Ordering Information: EpiMax 999HB-S 60 litre #9099718

Safety precautions

Read **Material 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 & 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.