



EpiMax 777HD

High Performance Seal Coat System

Description

EpiMax 777HD High Performance Seal Coat System is a performance, gloss, two component polyurethane coating that provides long-term protection to all forms of functional and architectural concrete.

EpiMax 777HD High Performance Seal Coat System may be used alone or over other EpiMax coating systems (eg EpiMax 331, EpiMax 333, EpiMax 444) to provide attractive, ultra violet resistant systems.

These combinations give the high build coating thickness and mechanical strength of the epoxy system and the enhanced external protection of the top coat for floor and wall applications.

This system is an easy-to-apply, hazmat free, clear or coloured coating which is suitable for both internal and external applications.



Advantages

- Haz mat free, low VOC
- Fast hardening
- Good general durability
- Excellent adhesion
- Colours - wide range available
- Non yellowing, UV stabilised - external applications
- Excellent scuff resistance
- Re-coatable

Typical applications

General retail, commercial & industrial flooring

- Shopping malls
- Correctional facilities
- Restaurants
- Hotels & convention centres
- Television studios

General external concrete protection

- Water reservoirs
- Airport facilities
- Building facades
- Sporting and entertainment facilities
- Highway engineering

Typical properties

- Shelf life: 6 Months
- VOC rating: Meets Green Building Council of Australia IEQ-13
- Mix ratio: 1 volume Activator: 4 volumes Base
- Work time: 4 hours at 25°C
- Set to touch: 45 - 60 minutes at 25°C (depends on air flow)
- Recoating window: 16 - 24 hours at 25°C
- Full cure time: 7 days at 25°C
- Solids content: 40 - 65% v/v (varies with water addition)
- Coverage/pack - theoretical 180 m²/coat @ 60 um dft
- Equivalent Air Layer Thickness (S_D), 130 um dft = 1m

Estimating data

18 ltr EpiMax 777HD High Performance Seal Coat = 180m² per coat

Sub-floor preparation

Uncoated 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 professional grinding or captive blast cleaning as applicable to expose firmly adhered aggregate. Surface profile should exceed CSP 2.

When over-coating previously applied EpiMax coatings, ensure the surfaces are clean, dry and free of contamination.

Allow surfaces to dry if wet. Always confirm preparation adequacy.

Application

For highest durability, prime prepared exposed concrete surfaces first with EpiMax 999WB Concrete Protective Sealer.

The hardening mechanism is two stage, firstly the water evaporates and then the chemical hardening takes place.

Good air flow will always assist the water evaporation stage. Work time may be difficult to visually determine, so always keep track of actual time.

Review the sub-floor 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 777HD Activator to EpiMax 777HD Base. Mix until uniform. Then add up to 15% by volume potable water as necessary to adjust viscosity for first coat. Apply in an even coat over the surface at up to 100 micron wet film thickness.

Apply a second, undiluted coat to achieve a minimum total of 120 - 130 micron dft.

EpiMax 777HD can be applied by roller, spreader bar or airless spray. Allow the coating to cure for 7 days prior to subjecting to full exposure. For extra non-slip finish broadcast a suitable fine, clean and dry aggregate into the first coat.

Discard unused material when the work time is exceeded (4 hours at 25 deg C). Work time may be difficult to visually determine, so always keep track of actual time. Always protect from rain for 24 hours after application.

Avoid application when relative humidity is >80% and temperature is <12°C.

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 777HD Gloss is available as a stock line in clear. It is available in 18 litre packs (includes Activator, Base). It is pre-packed in correct proportions for use.

Coloured versions are available to order.

Ordering Information: EpiMax 777HD Gloss 18 litre #9077718

Safety precautions

Read **Material Safety Data Sheet** before commencing any application.

Keep away from children. Contents are flammable. Keep away from fire or naked flame. 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.

