EpiMax 333

High Build Epoxy Coating

Description

EpiMax 333 High Build Epoxy Coating is a heavy duty, high build, chemically resistant and commercially attractive epoxy coating utilizing the most recent advances in application engineering chemistry. This system performs well in the demanding environments of forklift vehicular and commercial traffic as well as chemical processing environments. It is suitable for application to a variety of sub-floors including concrete, steel and other stable surfaces.

EpiMax 333 High Build Epoxy Coating can be applied at low temperatures (minimum 5ºC) and on slightly damp concrete surfaces to produce hard wearing, durable surfaces suitable for commercial and industrial vehicular activity with minimal tendency to water-spot.

Advantages

- High build - easy application
- Latest high performance chemistry
- Long lasting durability
- EpiMax 333FG version for higher traction
- Colourpack system - field choices
- Factory tints for large projects

Typical applications

- Water treatment & supply
- Food production
- Meat processing
- Dairy production
- Sugar production
- Textile production
- Chemical production
- Warehousing facilities
- Correctional facilities
- Apartment & hotel car parks
- Beverage production
- Commercial laundries
- Port & marine usage
- Wash & change-rooms
- Waste water treatment
- Mining operations
- Animal care centres
- Commercial kitchens

Typical properties

- Shelf life: 2 Years
- Solids content: 90% v/v
- Mix ratio: 1H: 3C (333) / 1H: 2C (333FG)
- Work time per pack: 30 mins at 25ºC
- Tack free time: 6 hours at 25ºC
- Recoating time: 16 - 48 hours at 25ºC
- Cure time: 7 days at 25ºC
- Coverage/pack- theoretical 48m^2/coat @ 150 um dft

Chemical resistance

EpiMax 333 is resistant to a wide range of chemicals. Specific data is available on request.

Typical resistance to spillages includes: (examples only)

- Ammonia solution
- Sulphuric acid 30%
- Acetic acid 5%
- Skydrol
- Sodium hydroxide 30%
- Sodium chloride
- Volatile hydrocarbon solvents
- Kerosene
- Diesel
- Petrol
- Hydrochloric acid
- Vegetable oils

Surface staining may result from exposure to some aggressive chemicals. Seek EpiMax advice for specific applications.

Estimating data

8 ltr EpiMax 333 and 9 ltr EpiMax 333FG = 24 sq m (2 x 150 um dft). Effective application rate will vary with surface profile.

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 exceed CSP 3.

Priming

Prime all freshly prepared concrete surfaces. Refer to EpiMax for specific recommendations.
Allow to harden fully, but the next stage should be applied within 24 hours of priming.
If this time is exceeded, the sub-floor must be re-primed.

Application

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 selected Colourpack to EpiMax 333 Compound and mix well. Then add EpiMax 333 Hardener to mixed EpiMax 333 Compound/Colourpack. Mix until uniform. Apply to prepared sub-floor as nominated.

EpiMax 333 can be applied by roller or airless spray in two coats (minimum) to achieve a total 300 micron dft.

Thin the first coat (if necessary) with up to 15% xylene. Broadcast selected fine aggregate onto the "wet" surface and then allow to cure overnight. Sweep off excess aggregate after hardening and top coat with a second coat of EpiMax 333.

If high gloss finishes are required, do not broadcast aggregate, simply apply the second coat after the first has cured overnight.

Allow the coating to cure for 7 days prior to subjecting to chemical exposure. Top coat as required with EpiMax 777HD or 900 for extra sheen.

EpiMax 333 can be professionally applied to meet a Slip Resistance Classification of R13 when tested under AS/NZS 4586:2004.
Contact EpiMax for further details.

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 333 is available in 8 litre packs. EpiMax 333FG is available in 9 litre packs. They are pre-packed in correct proportions for use. They are also available pre-tinted to AS 2700 colours in 16 litre packs with a minimum order of 16.

Ordering Information: EpiMax 333 8 litre #90333220

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.

TDG Code: Hardener - UN 1760, Compound - UN 1993, Colourpack - Not Classified

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