

## Solventless Food Grade Epoxy Coating

### Description

EpiMax 330 Solventless Food Grade Epoxy Coating is a heavy duty, industrial/commercial coating for concrete floors and walls that is attractive and easily cleaned. This system is designed for application in active food and beverage processing where any form of tainting is unacceptable.

Surfaces protected with EpiMax 330 are highly resistant to chemical attack and the action of forklift vehicular and commercial traffic.

When used in conjunction with an appropriate slip resistant media, EpiMax 330 is suitable for use in wet areas where a combination of slip resistance and strict levels of hygiene and cleanliness are required or where chemicals are processed, spilled or are an integral part of the process.

This system will be selected for use in the food and chemical industry, hospitals, schools, commercial kitchens, high traffic applications and many other installations.

EpiMax 330 Solventless Food Grade Epoxy Coating can be applied at low temperatures (minimum 5°C) and on slightly damp concrete surfaces to produce hard wearing, durable surfaces suitable for commercial and industrial foot traffic and rubber-tired vehicles.



### Advantages

- Non taint application
- Colourpack system - field choices
- High build - easy application
- Meets IEQ 13 GBCA
- Attractive finish
- Factory tints for large projects

### Typical applications

- Food production
- Commercial laundries
- Sugar production
- Waste water treatment
- Warehousing facilities
- Commercial kitchens
- Beverage production
- Dairy production
- Wash and change-rooms
- Chemical production
- Animal care centres
- Meat processing
- Port and marine usage
- Textile production
- Mining operations
- Correctional facilities

### Typical properties

- Shelf life: 2 Years
- Solids content: 100% v/v
- Mix ratio: 1 Hardener: 3 Compound
- Work time per pack: 30 minutes at 25°C
- Tack free time: 10 hours at 25°C
- Recoating time: 20 - 48 hours at 25°C
- Cure time: 7 days at 25°C
- Coverage/pack- theoretical 24 m<sup>2</sup>/coat @ 2 x 160 um dft

### Chemical resistance

EpiMax 330 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%
- Sodium hydroxide 30%
- Volatile hydrocarbon solvents
- Diesel oil
- Skydrol
- Sodium chloride
- Kerosene
- Petrol
- Hydrochloric acid
- Vegetable oils

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

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## Estimating data

8 ltr EpiMax 330 Solventless Food Grade Epoxy Coating = 24 m<sup>2</sup> (2 x 160 um dft)

## 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

EpiMax 330 is self-priming. However, if the substrate is exceptionally weak, prime using mixed EpiMax 330 at 4-6 sq m/litre. Protect all newly primed surfaces and 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 330 Compound and mix well. Then add EpiMax 330 Hardener to mixed EpiMax 330 Compound/Colourpack. Mix until uniform.

EpiMax 330 can be applied by roller or airless spray in two coats (minimum) to achieve a total 320 micron dft.

Allow the coating to cure for 7 days prior to subjecting to chemical exposure.

Top coat as required with EpiMax 333WB Clear for gloss and easier cleaning.

EpiMax 330 can be applied to meet the requirements of HB197 Pedestrian Flooring Selection System Guidance.



## 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 330 is available in 8 litre packs (includes Hardener, Compound - Colourpack additional). It is pre-packed in correct proportions for use.

Ordering Information: EpiMax 330 8 litre #9033008

## 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.

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