



EpiMax 367FG

Performance Food Grade Coating System

Description

EpiMax 367FG Performance Food Grade Coating System has been specifically developed for the high demands of the food and beverage industry where cleanliness and hygienic purity are paramount.

Floors in these facilities are typically exposed to many types of food processing chemistry such as fats, hot oils, blood, sugar solutions and natural food acids and it is essential that all concrete surfaces are protected by a seamless, chemically resistant hygienic coating system.

An additional hazard for these industries is the possible infiltration of uncoated concrete, resulting in the uncontrolled growth of bacteria, which is a serious food-safety hazard in today's world.

EpiMax 367FG Performance Food Grade Coating System is a solventless, high-build novolac epoxy especially developed for the food and beverage industry. This system offers exceptional resistance to attack from the organic solutions, fats and acids commonly present.

EpiMax 367FG Performance Food Grade Coating System will be specified and applied where the highest available performance from a field applied food grade coating system is required. Readiness for typical industry standard cleaning regimes is also a key feature.

This system offers significant cost advantages over traditional thicker set polyurethane modified cementitious systems which have been shown to have limited acid resistance.

Advantages

- Tough and abrasion-resistant
- Self - priming chemistry
- Solventless
- High build - easy application
- Excellent organic fat, sugar & acid resistance
- Good low temperature cure
- Long lasting durability
- Colourpack system - field choices

Typical applications

- Food production
- Sugar production
- Pharmaceutical industries
- Wine making & bottling facilities
- Meat processing
- Bakeries
- Soft drink manufacture
- Dairy production
- Breweries
- Chicken processing

Typical properties

- Shelf life: 2 Years
- Mix ratio: 1 Hardener: 2 Compound
- Set to touch: 7 hours at 25°C
- Cure time: 7 days at 25°C
- Solids content: 100% v/v
- Work time per pack: 2 hours at 25°C
- Recoating time: 16 - 48 hours at 25°C
- Coverage/pack- theoretical 52 m²/coat @ 150 um dft

Chemical resistance

EpiMax 367FG is resistant to a wide range of chemicals. Specific data is available on request.

Chemical resistance includes: (examples only)

- Acetic acid
- Ammonia solution
- Canola oil
- Chicken fat
- Cottonseed oil
- Diesel oil
- Kerosene
- Lactic acid
- Lard
- Peanut oil
- Petrol
- Sodium bicarbonate
- Sodium chloride
- Sodium hydroxide
- Starch & glucose solutions
- Sunflower oil
- Volatile hydrocarbon solvents
- Yeast



Anti-microbial function

Another feature of the EpiMax 367FG Performance Food Grade Coating System is that it has been formulated to provide enhanced bacterial protection in areas that need to be kept clean and sterile.

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

Estimating data

8 ltr EpiMax 367FG Acid Resistant Epoxy Coating = 26 m² (2 x 150 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.



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 367FG Compound and mix well. Then add EpiMax 367FG Hardener to mixed EpiMax 367FG Compound/Colourpack. Mix until uniform.

EpiMax 367FG can be applied by roller or airless spray in two coats (minimum) to achieve a total 300 micron dft. Allow the coating to cure for 7 days prior to subjecting to chemical exposure.

EpiMax 367FG 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 367FG is available in 8 litre packs (includes Hardener, Compound - Colourpack additional). It is pre-packed in correct proportions for use.

Ordering Information: EpiMax 367FG 8 litre #9036708

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 - Not Classified