



EpiMax 275

Rapid Cure High Friction Resurfacing System

Description

EpiMax 275 Rapid Cure High Friction Resurfacing System offers a unique combination of rapid installation, high friction and excellent mechanical durability. This system is combined easily with a great range of friction enhancing aggregates to produce durable slip resistant surfaces. It is normally applied in a thickness of 4 - 6 mm.

EpiMax 275 can be applied at low temperatures (minimum 5°C) and on slightly damp surfaces to produce hard wearing, durable surfaces suitable for commercial and industrial activity.

This system offers trafficable, protective, decorative and skid resistant re-surfacing for a great variety of structures.

High friction properties can be achieved and maintained throughout the service life by scattering coarse calcined bauxite and other aggregates before cure. Higher frictional contact with vehicle tyres, results in more effective braking and less risk of skidding and loss of control of the vehicle.

Colour variations can be achieved by using colour - coated aggregates. Glass beads can be added for reflectance.

Note that EpiMax 275 requires a degree of experience in application technique to accommodate the rapid curing characteristics.



Advantages

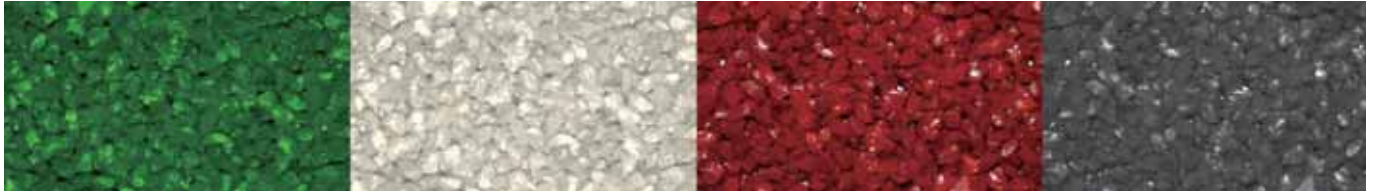
- Specially formulated for trafficable surfaces
- Rapid installation
- Solventless
- Visible demarcation
- Improves surface friction
- Waterproof
- Trafficable
- Highly durable

Typical re-surfacing applications

- Highways & motorways
- Traffic calming zones
- Car parks
- Ramps & overpasses
- Pedestrian crossings
- Air, rail & bus terminals
- Ramps and loading docks
- Distribution centres
- Cycle lanes
- Bridge decks
- Pedestrian walkways
- Port & marine facilities
- Waste water facilities
- Fire lanes

Typical properties

- Shelf life: 2 Years
- Solids content: 100% v/v
- Mix ratio: 1 Hardener: 2 Compound
- Work time per pack: 15 - 20 minutes at 25°C
- Initial set: 4 hours at 25°C
- Adhesion to concrete: > concrete strength
- Tensile strength: 40 MPa
- SRV > 80 (with traffic grade calcined bauxite)
- Compressive strength: 85 MPa
- Full Cure: 7 days at 25°C



The role of aggregates

The level of skid resistance will depend on the end users choice of aggregate top dressing selected. A skid resistance of 70%+ PSV can be obtained with suitable aggregate incorporated.

Other aggregates may be selected for their colours, which can provide greater visual impact. These can include suitable coated, recycled aggregates engineered for high performance.

Estimating data

30 ltr EpiMax 275 Rapid Cure Solventless Resurfacing System = 30 m² combined with aggregate (4mm)

Surface preparation

Ensure that the substrate is sound, clean, contamination-free and suitable for the purpose.

It is important that any dust and foreign matter is removed. Remove oil, grease and similar contamination by washing with a suitable degreasing agent, followed by flushing with water.

Make good depressions/pot holes etc. with suitable repair materials and tamp/roll thoroughly to ensure good compaction.

After preparation, ensure that the surface is dry. The use of an oil free, hot compressed air lance is advised since this will also serve to warm the surface and accelerate curing.

Application

Review and mask up the 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 275 Hardener to mixed EpiMax 275 Compound. Mix until uniform.

EpiMax 275 is generally applied by serrated squeegee, roller or spreader bar at an application rate of up to 2 kg/sq m.

Immediately broadcast selected aggregate to excess. Sweep off excess aggregate after curing. Top coat if necessary with EpiMax 900 Solvent Based Clear PU Sealer. Allow to cure for 7 days prior to subjecting to chemical exposure.

EpiMax 275 can be applied to meet the requirements of HB197 Pedestrian Flooring Selection System Guidance.



General cleaning

Housekeeping is critical in keeping occupational 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 275 is available in 30 litre packs (includes Hardener, Compound). It is pre-packed in correct proportions for use. Ordering Information: EpiMax 275 30 litre #9027530

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