



EpiMax 444

Seamless High Performance Flooring System

EpiMax 444 has been developed for installation in a range of industrial and commercial applications where a proven solution to floor maintenance problems and expense is demanded. It provides a bright, durable, impervious and chemically resistant floor surface which is both hygienic and easy to clean. Typical applications include show rooms, television studios, clean rooms, laboratories, plant rooms and general industrial plants and warehouses.

EpiMax 444 consists of selected aggregates bound in a high performance epoxy system. It is used as a four component system, pre-packaged for on-site mixing.

When professionally installed, it provides a very high quality flooring surface. It is available in a wide range of standard colours, and can be top coated to provide non-slip finishes.

EpiMax 444 is also available as EpiMax 444 Express for fast installation turn around.



Advantages

- Fast application - minimal downtime
- Attractive finish
- Chemically resistant
- High mechanical strength
- Hygienic - provides a dense, impervious, seamless floor surface
- Easily cleanable
- Wide range of colours available

Typical applications

- Show rooms
- Television and video production
- Pharmaceutical plants & warehouses
- Medical facilities
- Clean rooms
- Laboratories
- Plant rooms
- Warehouses

Typical properties

Cure time - Standard system

- foot traffic: 24 hours
- vehicular traffic: 48 hours
- chemical: 7 days

Cure time - Express system

- foot traffic: 12 hours
- vehicular traffic: 24 hours
- chemical: 4 days

Compressive strength: 90 MPa

Flexural strength: 30 MPa

Estimating data

10 ltr EpiMax 444 (10 litre) + Colourpack + EpiMax 444 Aggregate (14 kg)
= approximately 18 litres and will cover 9 sq m at 2 mm

Sub-floor preparation

Sub floors should be dry and not be susceptible from rising damp. If necessary, suitable damp proof membranes must be installed to prevent this.

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 concrete sub-floor using mixed EpiMax 225 at a rate of 4 sq m/litre. Double prime if sub-floor is boney and primed surface is not continuous. If any doubt exists, always double prime. 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

EpiMax 444 is designed for application at a nominal thickness of 2 - 4 mm. 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 444 Compound and mix well. Then add EpiMax 444 Hardener to mixed EpiMax 444 Compound/Colourpack. Mix until uniform.

Then add EpiMax 444 Aggregate and mix at slow speed (400 rpm) until uniform. Avoid air entrapment.

Slowly and evenly pour the mix onto the primed sub-floor and spread evenly over the surface using either a steel float or depth-regulated spreader bar. Roll well with a "spiked roller to release entrapped air bubbles and to ensure even finish, but allow sufficient time for the floor to completely level before hardening.

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 444 is available in 10 litre packs (includes Hardener, Compound - Colourpack and Aggregate additional). It is pre-packed in correct proportions for use.

Ordering Information: EpiMax 444 10 ltr #9044410; EpiMax 444 Express 10 ltr #9044510

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, Colourpack - Not Classified

