



EpiMax 225 *EXPRESS*

Rapid Set Resurfacing System

Description

EpiMax 225 Express is a recent development in novolac epoxy development which allows extremely fast topping installation to all forms of concrete sub floors. It can be easily extended on site with suitable aggregates to provide different application characteristics and greater economy. These toppings provide exceptional chemical resistance.

EpiMax 225 Express will be chosen for concrete resurfacing projects that demand an overall 24 hour "shut down to commissioning" operational time frame.

This use of this system can provide significant savings in those applications where any maintenance downtime results in important lost production or revenue.



Advantages

- Rapid hardening
- Excellent adhesion to concrete
- Excellent chemical resistance
- Good mechanical strength
- Low viscosity
- Easily extendible with aggregate
- Good low temperature cure
- Solventless

Typical applications

- General construction work
- Food, beverage & retail
- FMCG distribution centres
- Dairy production
- Sugar processing
- Oil & gas production
- Paper manufacturing
- Port & marine operations
- Waste water facilities - clarifiers, effluent tanks, pumps & pipes
- Bunded facilities - hostile chemical containment
- Pharmaceutical production
- Municipal waste transfer & disposal
- Mineral processing
- Power generation facilities
- Animal care centres
- Chemical processing

Typical properties

- Shelf life: 2 years
- Initial set: 2 hours at 25°C
- Tensile strength: 55 MPa
- Compressive strength: 95 MPa
- Work time per pack: 20 minutes maximum at 25°C
- Cure time: 6 hours at 25°C
- Adhesion: > Concrete tensile strength
- Compressive modulus: 3 GPa

EpiMax 225 Express will darken in external applications. However, mechanical performance will not be degraded.

Estimating data

Select appropriate aggregate mix ratios from the following table:

Flow Characteristics	EpiMax 225 Express/Selected Aggregate Volume Ratio	EpiMax 225 Express litres/m ³	Selected Aggregate litres/m ³
Very Fluid	1:2	500	1000
Flowable Mortar	1:3	333	1000
Workable Mortar	1:4	250	1000

