



EpiMax 595

Deep Fill Structural Epoxy Render

Description

EpiMax 595 Deep Fill Structural Epoxy Render is an easy to use system that provides a chemically resistant section to vertical surfaces in renewal, construction and maintenance.

The formulation structure of the system enables the application to vertical areas of concrete in sections up to 75 mm without the need for formwork.

This easy-to-use, two-part engineered epoxy system after mixing with excellent properties ideally suited for many concrete renewal and protection applications.

EpiMax 595 is reinforced with Kevlar.

Since EpiMax 595 is solventless, it will not crack or shrink even under dynamic stresses and load.



Advantages

- Excellent adhesion
- Good chemical resistance
- Excellent gap filling qualities
- Bonds to most surfaces
- Simple 1:1 mix ratio - colour coded
- Limited trowel pick up
- Non sag on vertical surfaces
- Excellent adhesion under adverse conditions (cold and damp)
- Excellent resistance to water immersion
- Mechanically stronger than concrete
- Very good chemical resistance

Typical applications

- Vertical and overhead renewal
- Repairing edges on slabs, driveways
- Abrasion resistant resurfacing
- Repair stone, block-work, iron, wood, etc
- Sealing concrete pipes and tanks
- Bonding pre-cast concrete elements
- Grouting inserts into concrete
- Repair of damaged columns

Typical properties

- Shelf life: 2 years
- Chemical resistance: Excellent
- Adhesion: > concrete tensile strength
- Solids content: 100%
- Work time per pack: 2 hours at 25° C
- Tack free time: 7 hours at 25° C
- Cure time: 7 days at 25° C
- Achievable vertical build: 75mm

Estimating data

20 ltr EpiMax 595 Deep Fill Structural Epoxy Render = 0.4 sq m at 50 mm thickness

Preparation

Concrete should be at least 28 days old and free of additives, curing agents, oils etc. Prepare concrete by acid etching/neutralizing/washing, professional grinding or captive blast cleaning as applicable to expose firmly held aggregate. Prepare steel surfaces in accordance with AS 1627-2002. Wire brushing is not entirely satisfactory and gives minimal adhesion only.

Remove any loose and weak surface.

Always confirm preparation adequacy.



Application

Using a low speed (400 rpm) mechanical mixer combine EpiMax 595 Hardener and EpiMax 595 Compound in equal volumes. Mix until uniform, taking care not to aerate. Confirm mixing by colour checking to an even, mid grey colour.

Apply for broad trowel to the prepared surface.

Do not subject to chemical exposure for seven days. For specific projects, EpiMax will prepare detailed specifications to control application.

Packaging

EpiMax 595 is available in 20 litre packs (includes Hardener, Compound). It is pre-packaged in correct proportions for immediate use.

Ordering Information: EpiMax 595 20 litre # 9059520

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