

# Dr. Fixit Epoxy Mortar



## EPOXY REPAIR MORTAR

### Description

**Dr. Fixit Epoxy Mortar** is a three component repair mortar based on solvent-free epoxy resin and graded quartz aggregate.

### Typical Applications

- Structural repair to spalled roads and concrete runways, stair nosings and pre-cast concrete.
- General repairs to damaged concrete.
- Heavy duty support to crane rails and bridge bearing pads.
- Impact and abrasion resistant patch repairs to concrete floors.

### Features

- High compressive, flexural and tensile strength.
- Stable, non-shrink material with high mechanical strength.
- Good chemical, abrasion and impact resistance.
- Three pack formula allows flexibility in use to suit application conditions.
- Easy to apply and finish under a wide range of conditions.

### Packaging

15 kg unit

### Method of Application

#### 1 SURFACE PREPARATION

- The substrate should be clean, sound and free from oil, grease or other contaminants. Laitance should be removed.
- Avoid feathering repairs and patches - edges should be cut back to a minimum of 5 mm.
- While Dr. Fixit Epoxy Mortar will bond to damp concrete, best results are obtained on dry substrates.

#### 2 MIXING

- Mix the contents of the hardener pack with the contents of the resin pack in a large clean container, using a spatula or slow speed paddle mixer, until homogenous.
- Then slowly mix in the aggregate until a uniform consistency is obtained. Larger packs necessitate use of mechanical pan mixing.

#### 3 APPLICATION

- Optimum bond strengths will be obtained in all applications when the substrate has first received a prime coat of Rokprime EPSF. For optimum adhesion mechanical preparation is preferred, if this is not possible all loose and friable material should be removed revealing a stable substrate free from dust and contamination.
- For impermeable and/or smooth concrete surfaces, remove surface layer by mechanical preparation such as a grinder, before applying primer and ensure that all dust is removed completely.
- Apply the mixed mortar with a steel spatula or trowel. Use a tamping action to ram into place and compact well. Finish with a steel float to close the surface.
- Where deep repair sites are involved, apply in layers of 50 maximum thickness to reduce heat build-up. Protect repair with a plastic sheet until hard.

#### 4 CLEANING

- Clean all equipment/tools before the resin hardens using Rok Thinners No. 1.

#### 5 CURING

- Curing is not required.



**Note:**

- The product should not be exposed to water during application or prior to initial set.
- If applied at temperatures above 45°C, store unmixed materials and mixing and application equipment in a cool temperature controlled environment, avoiding exposure to direct sunlight and application during the hottest times of the day.

**Technical Information**

PROPERTIES	SPECIFICATION
Specific Gravity at 20°C	2.00
Consistency	Trowellable mortar
VOC Content	Nil

PROPERTIES	
Maximum Depth:	50 mm
Minimum Depth	5 mm
	30°C
Pot Life:	20 min
Light Loading	10 hours
Full Loading	2 days
Application Temperature:	max 60°C

SERVICE	
Compressive Strength BS6319 Part 2:	50.7 N/mm <sup>2</sup>
Bond Strength:	Concrete failure
Thermal Coefficient:	20 x 10 <sup>-6</sup> mm/°C

**Theoretical Coverage**

2 kg/mm/sq.mt

**Storage**

When stored in dry conditions in original unopened packaging this product has a shelf life of 12 months. Storage above 35°C and high humidity (above 50%) will reduce shelf life and product performance.

**Health and Safety**

As with all epoxy resins, work cleanly at all times. Skin and eye contact should be prevented by the use of plastic or rubber gloves, eye protection, barrier creams and protective clothing. Any resin or hardener in contact with the skin should be removed with warm soapy water or a resin removing cream. NOT solvent. In case of eye contact wash copiously with water and in the case of accidental ingestion, obtain immediate medical attention. Provide good work area ventilation. See MSDS for further information.



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