

# GrecoCrete<sup>®</sup> EM200

Epoxy Resin Repair Mortar

## Description

**GrecoCrete EM200** is a two components low slump, solvent free epoxy resin repair mortar. It is designed for use in bedding, speedy and permanent repairs to spalling or honeycomb in vertical structure and damaged concrete surface.

## Uses

**GrecoCrete EM200** is formulated for repairing concrete structures where strength, imperrmeability to water and resistance to aggressive chemicals is essential. Patch repair to cracks, joints, spalled concrete structures, precast concrete elements, industrial floors, acid tanks, chemical handling and process areas.

## Advantages

- Pre-weighed quantities ready for on-site mixing and use.
- Early development of strength and hardness.
- Excellent bond strength, bond to green concrete surface.
- Resistant to a wide range of chemicals.

## Typical Properties

Type	: Epoxy resin
Colour (Base - Part A)	: Off white
(Hardener - Part B)	: Black
Density (mixed)	: 1.82kg/L
Mixing ratio (by weight)	
Base : Hardener	: 3 : 1
Working time @ 30°C	: 25 min
Setting time @ 30°C	: 45 - 60 min

## Typical Performance Data

Compressive strength (ASTM C579:2001(2012))	: 70 N/mm <sup>2</sup>
Flexural strength	: 35 N/mm <sup>2</sup>
Slant shear bond strength (ASTM C882/C882M:2013a)	: 18.5 N/mm <sup>2</sup>
Full cure	: 7 days

## Packaging

**GrecoCrete EM200** is available in 10kg/set. (Base 7.5kg Hardener 2.5kg)

## Application

### Preparation

All grease, oil, chemical contamination, dust, laitance and loose concrete must be removed by wire brush scrubbing or light hammering or such other effective methods to provide a sound substrate.

### Priming

Priming is not required on most surfaces but all surfaces must be cleaned.

### Mixing

Mechanical mixing is necessary for large quantity. The total base (Part A) and hardener (Part B) should be thoroughly mixed until a uniform colour is obtained. When hand mixing is carried out for small quantity, weigh the Part A and Part B in the correct ratio and mix until the mixture is uniform.

### Placing

The mixed material should be applied to the substrate with a steel trowel or glove protected hand, pressing firmly into void to ensure good adhesion. Place the material within its pot life. A smooth surface can be obtained by trowel with thinner

### Cleaning

Use solvent such as acetone to clean tools and equipment immediately after use.

### Shelf Life

**GrecoCrete EM200** has a shelf life of 24 months when stored in original packing in a cool and dry environment.

### Health & Safety

Avoid skin and eye contact. Wear suitable protective clothing, masks, gloves while handling product. Keep away from heat and open flame.



### Note:

Use the leaflet as a guide for the use of this product concerned. The information given is in accordance with the latest technical developments. However, we cannot accept responsibility for any work carried out with our materials as we have no control over the method of application used or the condition of the site involved.

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