

# ROCKMAX<sup>®</sup> EB547

## 2 COMPONENT EPOXY PATCHING MORTAR



### INTRODUCTION

**Rockmax EB547** is a solvent free, 2 component epoxy patching mortar. The material consists of resin, hardener and selected fine aggregates. Its use as repair mortar, fill voids & gaps and bonding substrates.

### AREA OF USES

**Rockmax EB547** is suitable for use in many application areas include with repair surface of pre-stressed concrete elements, repair precast concrete elements, repair cast in place concretes, fill voids and gaps, repair verticals and overheads, bonding concretes, increase thickness of concrete structure, repair mortar for concrete structures.

### ADVANTAGES

- Excellent bonding strength.
- Good abrasion and impact resistance.
- Good compressive strength.
- Good mechanical properties.
- Solvent free.
- Easy to apply.
- Can apply on damp surface.

### TECHNICAL PROPERTIES

Color & Form: dark grey paste

Specific Gravity: approx 1.95

Mix ratio: A : B = 2 : 1 by weight

Compressive strength (7days): 60-70 N/mm<sup>2</sup>

Flexural strength (28days): 20-40 N/mm<sup>2</sup>

Bond strength (7days): > 11 N/mm<sup>2</sup>

Pot life:

At 30°C : 25 minute

At 25°C : 40 minute

At 20°C : 60 minute

Working temperature: 5°C-35°C degree

Coverage rate: 2.0 kg/m<sup>2</sup>/mm

(Coverage rate depend on condition of surfaces)

### PREPARATION

Concrete substrate must be clean and free from oil, grease, dust, particles, mould oil, curing compound. Remove all loose material and laitance by mechanical means. New concrete must be at least 21 days old. When working with high temperature, please consult Rockmax for recommendation.

### PRIMING

No primer required. However to increase bonding strength between substrate and repair mortar, **Rockmax EB545**, epoxy bonding agent shall be use. Apply repair mortar while the primer still tacky. Do not wait until the primer dry. Reapply primer when it dry.

### MIXING

Mix part A and part B at 2-3 minute by low speed electric drill. Mix until the mortar homogeneous and uniform color. Do not mix by hand trowel.

### APPLICATION

Apply mortar by steel trowel. Multi layer could be applied. Make sure good surface finished after application. Protect the mortar from rain and water.

### CLEANING

Clean all tools and equipment immediately after application by thinner.

### PACKAGING

3kg set; part A: 2 kg                      part B:1 kg

### STORAGE

Storage in shade and dry condition Avoid from frost, water, moisture and high temperature.

### SHELF LIFE

12 months if kept follow instructions.

### PRECAUTIONS

Avoid contact with skin and eye. Avoid inhalation. Harmful effects may cause during application and care must be taken. Do not expose to flames or other sources of ignition. No smoking allowance. Ventilation must be provided. Some components of this product may be hazardous during mixing and application. Keep out of reach of children. MSDS is available upon request.

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***IMPORTANT NOTE!!***

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