

# ROCKMAX<sup>®</sup> EB545

## 2 COMPONENT EPOXY BONDING AGENT



### INTRODUCTION

**Rockmax EB545** is a solvent free, 2 component epoxy bonding agent. The cured material provides high bonding strength between old substrate and new topping material. It is also used in area where critical bonding strength is required.

### AREA OF USES

**Rockmax EB545** can used to bond between cement mortar to old concrete substrate, between steel plate and concrete, between repair mortar and damaged concrete substrate or any other applications please consult **Rockmax** for advice.

### ADVANTAGES

- Excellent bonding strength.
- High tensile strength.
- Can apply on damp surface.
- Easy application.
- Solvent free.

### TECHNICAL PROPERTIES

Color & Form: dark grey liquid  
Specific Gravity: approx 1.40 (mixed)  
Mix ratio: A : B = 2 : 1 by weight  
Compressive strength (7days): >80 N/mm<sup>2</sup>  
Tensile strength (7days): >20 N/mm<sup>2</sup>  
Bond strength (7days)  
    To concrete: concrete fail  
    To steel: 20-25 N/mm<sup>2</sup>  
Pot life:  
    At 30°C : 35 minute  
    At 25°C : 50 minute  
    At 20°C : 75 minute  
Working temperature: 5°C-35°C degree  
Coverage rate: 0.5-1.0 kg/m<sup>2</sup>  
(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.

### MIXING

Mix part A and part B at 2-3 minute by low speed electric drill. Mix until the material

homogeneous and uniform color. Do not mix by hand trowel.

### APPLICATION

Apply the material direct to substrate by brush. Pour or patch new material such as topping mortar, repair mortar, screed while **Rockmax EB545** still wet and tacky. If the bonding agent is dry. It is recommended to apply new layer of bonding agent.

### CLEANING

Clean all tools and equipment immediately after application by thinner.

### PACKAGING

4kg set;            part A: 4 kg    part B:2 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.

### CONTACT DETAIL

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### *IMPORTANT NOTE!!*

*The technical information contained herein, while not guaranty, was prepared and approved by technical personnel and is true, accurate to the best of our knowledge. No warranty or guaranty is made regarding performance, stability or other factors beyond our control. Rockmax will welcome to be consultation of our performance and application. This technical datasheet supersedes and issue new edition without prior notice.*

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