

ROCKMAX[®] EB543



2 COMPONENT EPOXY ADHESIVE, REPAIR MORTAR AND ANCHORING REINFORCING STEEL BAR

INTRODUCTION

Rockmax EB543 is a solvent free, thixotropic two components epoxy adhesive and repair mortar. It can be used to bond many kinds of materials such as concrete, steel, iron, mortar or wood. It is supplied in pre-weight 2 pack system with ready to use on construction site. The mixed material is high consistency (paste) suitable and easy to use for anchoring reinforcing steel bar with concrete.

AREA OF USES

Rockmax EB543 can be used for patching repair mortar, bonding steel plates, setting anchor bolts or dowel bars, seal crack or void on concrete surfaces.

ADVANTAGES

- High early strength.
- Excellent bonding strength.
- Good abrasion and impact resistance.
- Can use on dry or damp surface.
- Durability.
- Non sag.
- Shrinkage free.

TECHNICAL PROPERTIES

Color & Form: dark grey paste (mixed)
Specific Gravity: approx 1.70 (mixed)
Mix ratio: A : B = 2 : 1 by weight
Compressive strength (7days): >65 N/mm²
Tensile strength (7days): >18 N/mm²
Flexural strength (28days): >32 N/mm²
Bond strength (7days)
to concrete: >3.5 N/mm² (concrete failure)
to steel: >20 N/mm²
Pot life:
at 30°C : 30 minute
at 25°C : 40 minute
at 20°C : 50 minute

Setting time (30°C) at 10mm: 50 minute

Full Cure: 7 days

Working temperature: 5°C-35°C degree

Coverage rate: approximate 0.8-1.0 kg/m²
(Coverage rate depend on condition of surfaces)

PREPARATION

Bonding/Repairing

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.

Anchoring Reinforcing Steel Bar

Drill the hole by drilling machine according to specific depth and diameter. Blow the dust from the bottom of the hole. Clean the hole with wire brush and remove the dust again.

MIXING

Mix part A and part B at 2-3 minute by low speed electric drill (500rpm). Mix until the material homogeneous and uniform color. Do not mix by hand trowel.

APPLICATION

Bonding/Repairing

Apply the material by steel trowel to the prepare substrate. The maximum thickness per layer is 10mm (vertical) and 35mm (horizontal).

Anchoring Reinforcing Steel Bar

Apply the mixed to the reinforcing steel with fully cover the bar by steel trowel and pour mixed material in to the prepare holes approximate 10-20% of volume of holes. Put the reinforcing steel in to the hole and compress it firmly till the depth of the hole. Ensure all material is full the hole and steel bar.

CLEANING

Clean all tools and equipment immediately after application by thinner.

PACKAGING

2 kg set.

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.

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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

THAILAND

Rockmax Company Limited

T: +66 2 8648658

F: +66 2 4184327

E: info@rockmax.net

W: www.rockmax.net

VIETNAM

Viet Dai Viet Chemical Company Limited


T: +84 86 2615184

F: +84 86 2615185

E: rockmaxvn@gmail.com

IMPORTANT NOTE!!

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