

ROCKMAX[®] EPG

HIGH STRENGTH EPOXY GROUT



INTRODUCTION

Rockmax EPG is three parts precision epoxy resin based grout, high early strength, free flow and good chemical resistance. Use in heavy industrial machine bearing and crane rail track bearing base.

AREA OF USES

- Machine bearing bases.
- Crane rail track bearing bases.
- Fix anchor bolts.
- Bridge bearings.
- Structural steel column base plates.
- Hoist rail bearings.
- Fill void in concrete structures.
- Repair works.

ADVANTAGES

- High early strength.
- Good adhesion to concrete.
- Vibration resistance.
- Excellent chemical resistance.
- Good flowability.
- Fast hardening.
- Shrinkage free.
- Ready to use.

TECHNICAL PROPERTIES

Color: Grey

Density: 2.0kg/litre

Pot life: 30-45min (at 30°C)

Compressive Strength (approximate):

1 day: 45-55 N/mm²

3 days: 60-70 N/mm²

7 days: >75 N/mm²

Bonding strength:

Concrete: >3 N/mm²

Steel: >20 N/mm²

Tensile strength: 25-30 N/mm²

Flexural strength: 25 N/mm²

Application Temperature: +10 to +35°C degree

Minimum gap: 10mm

Maximum gap: 40mm

PREPARATION

Concrete substrate must be clean, free from oil, grease, mould oil, dust and loose particles. Steel plate must be clean and no rust. Ensure there is no crack on concrete surface. Concrete substrate must be dry and at least 28 days old include minimum compressive strength 25 Mpa. The profile of concrete substrate must be roughen by mechanical mean to create good

bonding. The steel base plate must be clean and no rust. Air release hole and joints must be prepared. In case of deep area of grout, please consult **Rockmax** for more information.

MIXING

Mixer must use low speed drill mixer (500 rpm) with and including good quality steel paddle. Make sure all tools and equipments are in good conditions and clean. Before application ambient temperature must be check and not more than 35°C degree. Mix part A and part B for 1 minute. Add part C slowly while mixing and continues mixing approximate 2 minute until homogeneous. Do not partial mix.

APPLICATION

Pour epoxy grout immediately after mixing. Make sure sufficient pressure head for continues flow of grout. Air relief hold must be considered to allow air escape. Formwork must be firmly install and watertight. The steel strap could be use to help grout flowing in case of small gap.

CURING

Rockmax EPG is self-curing. Make sure epoxy grout is not contact with rain, water, dust and other contaminants.

CLEANING

Clean all tools and equipment immediately after application with thinner or solvent.

LIMITATIONS

- Maximum thickness per layer is 40mm
- Concrete age must be 28 days old.
- Minimum temperature is 10C.
- Maximum temperature is 35C.
- Do not mix with water.

PACKAGING

10kg set (part A, B and C). The larger package could be provide upon request

STORAGE

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

SHELF LIFE

12 months if kept follow instructions.

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PRECAUTIONS

Avoid contact with skin and eye. Goggle and glove must be use while application. Clean with much soap and plenty of water when contact with and see doctor as quick as possible. Do not use solvents. In case contact with eye rinse immediately with plenty of water and see doctor immediately. Ensure air circulate in the room. MSDS is available upon request.

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IMPORTANT'S NOTE!!

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