

ROCKMAX[®] GP

NON-SHRINK CEMENT BASE GROUT



INTRODUCTION

Rockmax GP is a pre-pack non shrink, non ferrous, free flow, self-leveling cementitious grout. It designed for local and general conditions purpose.

AREA OF USES

- Gaps and voids.
- Cavities.
- Repair works.
- Column base plate.
- General filling.

ADVANTAGES

- Good strength.
- Good flowability.
- No bleeding.
- No segregation.
- Ready to use.
- Compensated shrinkage.
- Non toxic.
- Chloride free.
- Easy application.

TECHNICAL PROPERTIES

Form: Cement powder

Color: Grey

Yield: 13.5litre for 25kg bag of grout.

Bulk density: approx 1.65-1.70 kg/litre

Bond Strength to concrete: approx:

>2 N/mm² at 28 days

Compressive strength:

(Water content 15%)

1 day: 25-30 N/mm²

3 days: 40-45 N/mm²

7 days: 52-55 N/mm²

28 days: 60-65 N/mm²

Bleeding: None

Flow (J rote): 10 - 12 seconds

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. Saturated concrete surface with clean water at least 4-8 hours prior pour grout.

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.

Measure 4 litre of clean water. The amount of water is effect the flow of grout and strength of grout. Temperature of water is approximate 15°C - 25°C degree. Powder must be added to the clean water slowly and continuous mixing for approximate 3-4 minute. Mix all material of grout in one bag per time. Do not partial mix.

APPLICATION

Maintain good hydrostatic head. Pouring should be a continuous process to ensure the flow of the grout not allowed stop. Pouring from one side only. The grout thickness should be 50mm at one layer. Separated joint and air release hole shall be prepared prior to application. We recommended to keep the sample for testing the properties of grout include compressive strength. Please consult Rockmax.

CURING

Keep grout surface moist to prevent rapid drying. Use plastic sheet to wrap around grouting area. Curing compound should be use to avoid shrinkage crack.

CLEANING

Clean all tools and equipments immediately with water.

LIMITATIONS

- Do not grout in high temperature area.
- Minimum gap 20mm.
- Maximum gap 50mm.

PACKAGING

25kg bag.

STORAGE

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

SHELF LIFE

12 months if kept follow instructions.

PRECAUTIONS

Avoid contact with skin and eye as **Rockmax GP** is cement base contain Alkaline. Goggle and glove must be use while application. Clean with plenty of water when contact with grout and see doctor as quick as possible. MSDS is available upon request.

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IMPORTANT NOTE!!

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