

ROCKMAX[®] CG

HIGH STRENGTH CEMENT BASE GROUT



INTRODUCTION

Rockmax CG is a pre-pack non shrink, high performance, non ferrous, free flow, self-levelling cementitious grout include selected grade of filler. Suitable to use for machine base grouting and heavy loading base grouting.

AREA OF USES

- Heavy machinery bearing.
- Bridge bearing.
- Anchorage.
- Structural steel column base plate.
- Pre-stress girder.
- Rail posts.
- Pre-cast work.
- Crane rail installation.
- Concrete repair work.

ADVANTAGES

- High strength.
- High flowability.
- No bleeding.
- No segregation.
- Ready to use.
- Compensated shrinkage.
- Non toxic.
- Non corrosive.
- Easy application.

TECHNICAL PROPERTIES

Form: Cement powder

Color: Grey

Bulk density: approx 1.7-1.8 kg/litre

Bond Strength to concrete: approx: > 2 N/mm² at 28 days

Compressive strength:

(Water content 15 - 16%)

1 day: 35-40 N/mm²

3 days: 45-50 N/mm²

7 days: 60-68 N/mm²

28 days: 70-80 N/mm²

Initial setting: 2.5 - 3.5 hours

Final setting: 4.5 - 6.0 hours

Bleeding: None

Flow (J rote): 9 - 12 seconds

Expansion rate: approx 1%

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. 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 minute (max 4 minute). Mix all material of grout in one bag per time. No partial mix. In case of large volume of grout. Mixing method must use pan mixer. Please consult Rockmax for further advice.

APPLICATION

Ensure air relief hole installed in case of deep area of grout and formwork is firmly and watertight. Pour grout after mixing immediately after mixing to the prepared substrate. Working time approximate 15-25 minute depend on temperature. Inspect the grout must free flow and homogeneous.

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 100mm.
- Minimum temperature 10°C degree.
- Maximum temperature 40°C degree.

PACKAGING

25kg bag.

STORAGE

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

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SHELF LIFE

12 months if kept follow instructions.

PRECAUTIONS

Avoid contact with skin and eye as **Rockmax CG** 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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