

Rocky EPG 1000

Description

ROCKY EPG 1000 is a three components solvent based epoxy grout consisting of base (A), hardener (B) and graded filler (C). When mixed, the product becomes self-leveling, free flow grout. It is designed for grouting of gap widths of 10-50mm.

ROCKY EPG 1000 should be used in situation where heavy dynamic loads exist, high bearing and mechanical strengths are required, or high chemical resistance is needed.

Use

Heavy machinery, equipment or structural elements needing maximum bearing support

Large or wide plates requiring precision grouting

Pile cap waterproofing sealing

High vast lighting bases

Narrow clearance situations including anchor bolts

Pile cap head treatment and waterproofing

Equipment bases where chemical and acid spillage occurs

Advantages

- Excellent performance under dynamic or mobile loads
- Non-shrinking with high adhesion to contact surfaces
- High compressive, tensile and flexural strengths which give very good durability
- High chemical resistance
- Low creep characteristics under strained loading
- High early strength gain
- Excellent adhesion to steel and concrete
- Excellent fatigue resistance
- High resistance to dynamic loads, thermal effects and chemical attacks.

Rocky EPG 1000

Technical Properties

Color	Grey
Density at 25°C	2.0kg/L
VOC	4.2g/L
Pot life at 25°C	75 minutes
Compressive strength at 7 days (ASTM C579)	> 80 N / mm ²
Flexural strength at 7 days (ASTM C580)	20 N / mm ²
Tensile strength at 7 days (ASTM C307)	10 N / mm ²
Chemical Resistance	Oil, Mild Acid and Alkalis, Water, Grease, and Most Chemicals
Abrasion Resistance	Higher than concrete
Impact Strength	Higher than concrete
Maximum Flow (100mm head) with 35 mm gap / with 70mm gap	1000 mm / 1800 mm
Water Penetration	Nil

Rocky EPG 1000

Priming

Cleaned steel surface should be protected using ROCKY EPOX P only when there is a long delay in pouring the mix to avoid a chance of rusting of the surface.

Mixing

ROCKY EPG 1000 is supplied in a pre-measured packing. Partial mixing should not be allowed under any condition.

Start mixing by pouring hardener B into base A, the two components must be well mixed to ensure proper chemical reaction.

Use a slow speed drill fitted with suitable paddle to mix the product at low number of turns (200 – 300 rpm).

Mix for few minutes till a homogeneous mixture is obtained, then add component C (filler/aggregate) and mix for 2 – 3 minutes until you get a uniform color mixture.

Application

Start pouring the grout from one side to eliminate air entrapment, the placement of the grout must be continuous. ROCKY EPG 1000 should be used immediately after mixing the components and during the working time of the mix.

Cleaning

All used tools should be cleaned before the product cures. Hardened material should be removed mechanically.

Recommendations

- Do not apply ROCKY EPG 1000 if the temperature is less than 5°C
- Partial mixing of the product components should not be allowed under any conditions
- Extra care should be taken when applying at high temperature as pot life of the mixed product will shorten automatically
- It is recommended to shade the working area while mixing and placing ROCKY EPG 1000

Rocky EPG 1000

Surface Preparation

- Concrete must be cured for a minimum of 21 days. All surfaces must be clean, sound, uncontaminated, free from oil, grease, water, paints and dust. Unsound concrete must be removed. Compressive strength of the concrete should not be less than 25 Mpa.
- Concrete surface must be totally dry when the mixed product is poured as wet surface might cause debonding between concrete and the grout.
- Steel surfaces should be free of rust. Sand blasting or grinding is recommended.
- Formwork, if needed, must be well braced, leak proof, strong and will fixed as ROCKY EPG 1000 product is free flowing grout.
- Anchor bolt holes should be clean of all dust, dirt and should be dry.

Coverage

- The product supplied in a three-component 30kg kit.
- Consumption: Approximately 15L per 30kg kit.

Shelf Life & Storage

Keep the product in a dry covered place into original well closed packaging. In these conditions the product will have a shelf life of 12 months from date of production.

Health & Safety

Wear protective gloves and goggles during application. This product contains chemicals which may be potentially harmful to your health if not used properly. It is strongly recommended to read the material safety data sheets for proper storage and to observe precautions.

If contact with skin or eyes happen, use resin cream to remove it from skin followed by clean water, do not use solvent. In case of contact with eyes, use clean water and seek medical consultation.

Important Note

The information in this Technical Data Sheet is based on Rocky-SCM Canada's experience. Rocky-SCM does not accept any liability arising from the use of its products as it has no direct or continuous control over where or how its products are applied. All Rocky-SCM Data Sheets are updates on regular basis. It is the user's responsibility to obtain the latest version.