

ROCK MAGIC +

HIGH STRENGTH PUMPABLE CABLE GROUT

DESCRIPTION

Rock Magic is a single component, high strength, thixotropic, pumpable cement grout with expansion properties.

APPLICATIONS

Rock Magic is used as a grouting medium for the installation of mechanical anchors and grouted roofbolts, as well as a corrosion protection for spin anchors and passive anchors.

BENEFITS

Controlled expansion.
Non-chloride.
Excellent compressive and pull strength development.
Good cohesive (no water bleed) and adhesion properties.
Good pumpability.
Good workability retention (approximately 30 - 45 minutes), depending on water and ambient temperature.
Very robust packaging, reducing wastage.

DIRECTIONS FOR USE

Measure out the required quantity of clean mixing water, in a suitable mixing vessel. Pour in 4litres of water. Start the mixing process and slowly add the powder to the water. (Never add the water to the powder, as the risk of flash set can occur.) Part mixing of Rock Magic is feasible, but is not advisable when the mixing ratio between water and powder is not accurate. Once all the grout powder has been added to the water, continue mixing until a homogeneous, lump free consistency is achieved (approximately 5 to 6 minutes). After the grout has been properly and completely mixed, pumping can commence. Ensure that all equipment used, is properly cleaned with water immediately after use.

PACKAGING

This grout is packed in a 10kg polypropylene bag (outer) and a valve fill polyethylene inner bag. Palletised product is shrink wrapped (pallets contain 100 bags respectively).

PRODUCT PERFORMANCE

Typical for a water addition rate of 4litres per 10kg of Rock Magic.

Properties are for guidance purposes and not a guarantee of performance.

Results obtained under controlled laboratory conditions.

Note: Temperatures below 15°C will retard initial set and strength gain.

Initial Set	4 - 6 hrs
Compressive Strength	
@ 24hrs	29.2 MPa
@ 3 days	40.2 MPa
@ 7 days	48.2 MPa
@ 28 days	62.5 MPa
Pull Strength @ 24hrs (200mm)	5.25 Tonne
Yield	
- kg	14kg
- litres	7.2litres
Wet Density	1.91kg/dm ³

STORAGE

Storage conditions must be dry and out of direct sunlight. Re-seal open packaging to prevent the ingress of contaminants and moisture. Expected shelf-life under correct storage conditions is 12 months.

IMPORTANT NOTE:

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