

MINING

Capcem™ PCB Fast

PUMPABLE ANCHORING GROUT

DESCRIPTION

Capcem™ PCB Fast is a single component cementitious powder that is mixed with water. It is supplied in lined, woven polypropylene bags. The mixed grout is intended for placement in holes through a suitable grout pump.

APPLICATION AND USE

Capcem™ PCB Fast is a pumpable grout for pre-grouted installation of cable anchors.

ADVANTAGES

- Cement based: no resins or solvents
- Working time from mixing to insertion of cable anchor: minimum 30 minutes, mixing water at 25°C
- Pumpable into up-holes at least 6 m long
- Gelatinous consistency: no slump or run-out
- Rapid strength gain after placement
- No shrinkage or bleed water
- High pH inhibits corrosion



TECHNICAL DATA

SETTING PROPERTIES

Details	Value	Unit
Relative Density (RD)	1.9	kg/m ³
Initial Set (25°C)	40	minutes
Final Set (25°C)	60	minutes

COMPRESSIVE STRENGTH (TYPICAL)

Curing Age	Strength
4 hours	4 MPa
24 hours	11 MPa

PULL STRENGTH OF 200 MM BOND LENGTH X 16MM REBAR

Curing Age	Pull Strength
4 Hours	5 tons (minimum)
24 Hours	10 tons (minimum)

PULL STRENGTH OF 600 MM BOND LENGTH X 15 MM BULBED CABLE

Curing Age	Pull Strength
4 Hours	10 tons (minimum)

APPLICATION METHOD

Prepare only enough grout to use within 40 minutes. Place one 25 kg bag of Capcem PCB Fast grout in a grout mixer and add 5 litres of water. For other quantities, add water in the ratio of 2 litres of water for every 10 kg of powder. Mix thoroughly for at least 3 minutes, until smooth and free from lumps. Transfer to a grout pump. Agitate periodically to re-liquify but do not add more water. Use within 40 minutes. If more grout is required, wash out the mixer and pump before preparing a fresh batch.

After completion of grouting, flush out the mixer, pump and all hoses and fittings thoroughly with water. Remove sticking grout mechanically and continue flushing until the flushing water is clear.

Pack Sizes (kgs)	Mix Water (litres)	Yield (litres)
10	2	6
25	5	15

SAFETY INSTRUCTIONS AND LIMITATIONS

Capcem™ PCB Fast is non-toxic but is alkaline in nature; gloves and eye protection should be worn. Splashes of grout to the skin or eyes should be washed off with clean water. In the event of prolonged irritation seek medical advice. Refer to Material Safety Data Sheet.

PACKAGING AND TRANSPORTATION

Packaged in 20 kg bags, on pallets. Each pallet is shrink-wrapped to protect the product against damage.

STORAGE AND SHELF LIFE

Capcem™ PCB Fast has a shelf life of 12 months when stored unopened in dry conditions and out of direct sunlight to prevent degradation of packaging.

DISPOSAL

Follow local regulations.

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ADDITIONAL DOCUMENTATION

- MSDS of Capcem™ grout products

LIST OF REPRESENTATIVES

- AUSTRIA: Minova MAI GmbH
- CZECH REPUBLIC: Minova Bohemia s.r.o.

- FRANCE / BELGIUM: Sales office Minova France / Belgium
- GERMANY: Minova CarboTech GmbH
- ITALY: Minova CarboTech GmbH Italy branch
- KAZAKHSTAN: Minova Kazakhstan LLP
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CUSTOMER SERVICE

For additional support options available at your area, contact our local offices.

www.minovaglobal.com