

SOFT ROCK MINING / HARD ROCK MINING

FB200 R

LOW VISCOSITY, HIGH VOLUME PUMPABLE GROUT

DESCRIPTION

FB200R is a high yield, pumpable grout with an extended gel time for longer pumping distances. Supplied as a ready to use free flowing blended cementitious powder and only requires the addition of water in a suitable placing machine.



APPLICATION AND USES

- Recovery of falls – consolidation of broken strata
- Backfilling – consolidation of mullock
- Pumpable chocks – pillar recovery
- Explosion resistant ventilation seals

ADVANTAGES

- High volume with a typical output of 15-22 x 20 kg bags per m³, reducing transportation requirements underground
- Rapid placement with up to 10 m³ placed in one hour, reducing labour requirements
- Extended gel time for longer pumping distance applications or use at higher temperatures
- Yields to ground pressure reducing stress concentration in strata
- Non-shrinking ensures good contact with roof
- Remote pumping, can be pumped from a safe location up to 200 m from job site
- Low alkalinity, safe to handle

TECHNICAL DATA

Several factors will affect gel time, strength development, set time and pumping life of the material. These are water content and temperature, water quality, ambient temperature, pumping rate, discharge hose capacity and mass of product placed.

Typical properties using potable water:

Water: Powder Ratio	2:1
Gel time @ 20°C (mins)	10-20
Age	UCS (MPa)
1 day	0.8
7 days	3.3
28 days	7.5
Fresh Wet Density (kg/m³)	1250
Maximum Pump Distance	400m

APPLICATION METHOD

Mixing

FB200 is designed to be used at a water: powder ratio between 2:1

Cleaning

All pumps and hoses should be thoroughly cleaned with water after use.

SAFETY INSTRUCTIONS AND LIMITATIONS

Volume output is variable. At the recommended consistency the approximate grout yield is as follows:

Water: Powder Ratio	20 kg bag / m ³
2:1	21

PACKAGING AND TRANSPORTATION

FB200R is supplied in 20 kg bags. All 20 kg bags are packed on stretch wrapped wooden pallets, 60 bags per pallet.

STORAGE AND SHELF LIFE

FB200R has a shelf life of 12 months.

STORAGE CONDITIONS

FB200R should be stored in original packing under dry warehouse conditions.

HEALTH AND SAFETY

FB200R is non-toxic and non-flammable. For more information please refer to the Safety Data sheet at www.minovaglobal.com/apac

TECHNICAL SUPPORT

We provide technical advisory service by a team of specialists in the field. The service includes on site assistance and advice on evaluation trials and laboratory work.

MANUFACTURER

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