

SOFT ROCK MINING / HARD ROCK MINING

FB200 SLOW SET

LOW VISCOSITY, SLOW SETTING, HIGH OUTPUT PUMPABLE GROUT

DESCRIPTION

FB200 Slow Set high yield grout is supplied as a ready to use free flowing blended cementitious powder. It requires only the addition of water using a purpose-built high shear colloidal mixer.

APPLICATION AND USES

- Recovery of falls – consolidation of broken strata
- Backfilling – consolidation of mullock
- Explosion resistant ventilation seals

ADVANTAGES

- High volume with a typical output of 20-22 x 20 kg bags per m³, reducing product mixing requirements and site product storage.
- Rapid placement with up to 12 m³ placed in one hour reducing labour requirements
- Rapid strength gain ensures early support
- Yields to ground pressure thereby reducing stress concentration in strata
- Non-shrinking, ensures good contact with roof
- Can be pumped remotely and from a safe location up to 1000m from job
- Low alkalinity, safe to handle

TECHNICAL DATA

Several factors will affect gel time, strength development, set time and pumping life & distance of the material. These are water content and temperature, water quality, ambient temperature, pumping rate, discharge hose capacity, mass of product placed and head pressure when pumping down a borehole or slope.

Typical properties using potable water:

Water: Powder ratio	2:1
Gel time @ 20°C (min)	60 -70
Gel time @ 30°C (min)	45 -50
Gel time @ 40°C (min)	25 -35
Fresh wet density (kg/m³)	1250
Age	UCS (MPa)
1 day	0.6
7 days	3.3
28 days	7.5
Maximum Pump distance	1000 m

APPLICATION METHOD

Mixing and placing

FB200 Slow Set is designed to be used at a water to powder ratio of 2:1.

- It is essential that the material be used in conjunction with a purpose-built high shear colloidal mixer
- It is highly recommended that operators receive full training from Minova

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	kg of powder / m ³
2:1	400-440

PACKAGING AND TRANSPORTATION

FB200 Slow Set is supplied in 1.2 T bulk bags on stretch wrapped wooden pallets.

STORAGE AND SHELF LIFE

FB200 Slow Set has a shelf life of 12 months.

STORAGE CONDITIONS

FB200 Slow Set should be stored in original packing under dry warehouse conditions.

HEALTH AND SAFETY

FB200 Slow Set is non-toxic and non-flammable. For more information please refer to the Safety Data sheet at www.minovaglobal.com

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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