

SOFT ROCK MINING / HARD ROCK MINING

STRATABINDER™ HS SLOW SET

LOW VISCOSITY, SLOW SETTING ANCHORING GROUT

DESCRIPTION

Stratabinder HS Slow Set is a high strength, low viscosity anchoring grout supplied as a ready to use, free flowing, blended cementitious powder. It requires only the addition of water in a high shear mixer.

APPLICATION AND USES

- Bottom up cable bolt grouting
- Reinforcement of strata

ADVANTAGES

- High early strength, reduces the likelihood of bed separation or slippage of strata
- Low viscosity, for maximum penetration into strata
- High ultimate strength and low porosity ensures long term durability
- Slow setting, remains workable for several hours
- Excellent pumpability
- Chloride free

TECHNICAL DATA

Typical properties using potable water:

Water: Powder Ratio	0.45:1
Pumping Life @ 20°C (min)	360
Set Time @ 20°C (min)	480
Age	UCS (MPa)
1 day	12
7 days	32
28 days	39
Viscosity	
5 minutes	400 cps
5 hours	480 cps

APPLICATION METHOD

Site preparation

- Drill hole to desired depth, ensuring it is free and clear of loose matter for entire length.
- Place cable bolt, breather tube and grout filling tube into bolt hole.
- Plug the bottom of the bolt hole with Conbex® Plug.
- Flush the hole out by pumping water up the grout filler tube. This also helps to prevent water being drawn from the mix.

Mixing

Water requirements/20 kg bags for 0.45:1 are as follows:

Stage	Liters of water required
Stage 1	6.0 L
Stage 2	3.0 L
Maximum	9.0 L

1. Fill mixer with water as per Stage 1
2. Start mixer, then slowly add Stratabinder HS Slow Set powder. If powder addition is too fast, large lumps will form and final mix will be slow reaching uniformity.
3. Add remainder of water as per Stage 2 and mix until lump free
4. Use a high shear mechanical mixer of approved design.

Placing

- Continuous flow of grout is essential, therefore enough grout for the job must be prepared prior to placement. Do not try to mix and place grout at the same time.

- Connect the pump to the grout filling tube and place the breather tube in a small container of water.
- Pump the grout into the bolt hole until air ceases to bubble out of breather tube. Block off tube by folding and tying. Cut off excess filler tube.

Cleaning

Stratabinder HS Slow Set should be removed from tools and equipment immediately after use with clean water.

ESTIMATING

At the recommended consistency, the approximate grout yield is as follows:

20 kg bag
14 L

PACKAGING AND TRANSPORTATION

Stratabinder HS Slow Set is supplied in 20 kg bags. All bags are packed on stretch wrapped wooden pallets, 60 bags per pallet.

STORAGE AND SHELF LIFE

Stratabinder HS Slow Set has a shelf life of 12 months.

STORAGE CONDITIONS

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

HEALTH AND SAFETY

For further information see the relevant material safety data sheet, copies of which are available on our website.

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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