

**SOFT ROCK MINING / HARD ROCK MINING**

# STRATABINDER™ HS

**HIGH STRENGTH, CABLE BOLT ANCHORING GROUT**

**DESCRIPTION**

Stratabinder™ HS is a high strength, 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
- Thixotropic, can be used in badly broken ground
- Non shrink, unique expansion system compensates for shrinkage
- High ultimate strength and low porosity ensures long term durability
- Excellent pumpability
- Chloride free

**TECHNICAL DATA**

Typical properties using potable water are as follows:

<b>Pumping Life @ 20°C (min)</b>	120		
<b>Set Time @ 20°C (min)</b>	420		
<b>Litres Per Bag</b>	6.0	7.0	8.0
<b>Age</b>	<b>UCS (MPa)</b>		
1 day	50	30	25
7 days	78	65	58
28 days	100	82	72



**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 per 20 kg bag:

Stage	Liters of water required
Stage 1	4.0L
Stage 2	2.0L
Total	6.0L
Maximum	8.0L

1. Fill mixer with water as per Stage 1
2. Start mixer, then slowly add Stratabinder HS 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 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:

<b>20 kg bag</b>
12.5 L

**PACKAGING AND TRANSPORTATION**

Stratabinder HS 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 has a shelf life of 12 months.

**STORAGE CONDITIONS**

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

**HEALTH AND SAFETY**

For more information please refer to the Safety Data sheet at [www.minovaglobal.com/apac](http://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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