

Stratabinder HS



High strength thixotropic grout

Uses

- 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
- Excellent pumpability
- Economical, high strength gain at significantly lower cost compared to resin grouts
- Durability, high ultimate strength and low porosity ensure long term life
- Chloride free

Description

Stratabinder HS is supplied as a ready to use, free flowing, blended cementitious powder. It requires only the addition of water in a high shear mixer, to produce a highly thixotropic grout.

Technical support

Minova Australia offers a complete technical and field support service.

Properties

Typical properties using potable water are as follows:

Pumping life @ 20°C (minutes)	120
Set time @ 20°C (minutes)	420
Age (days)	Compressive strength (MPa)
1	50
7	75
28	100

Application Instructions

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 (formerly Renderoc 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

The water requirements (litres/20kg bag) are as follows:

Stage 1	:	4.0
Stage 2	:	1.5
Total	:	5.5
Maximum	:	6.0

Fill mixer with water as per Stage 1. 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. Add remainder of water as per Stage 2 and mix until lump free.

Use a high shear mechanical mixer of approved design.

Placing

Continuous flow of grout is essential, therefore sufficient 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

Yield

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

20kg bag - 12.5 litres

Pack size

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

Storage

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.

High temperature and high humidity may reduce the shelf life.

Precautions

Health and Safety

Stratabinder HS is non-toxic and non-flammable.

- Irritating to respiratory system and skin
- Risk of serious damage to eyes
- Do not breath dust
- Avoid contact with skin and eyes
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice
- After contact with skin, wash immediately with plenty of clean water.
- Wear suitable protective clothing, gloves and eye/face protection.



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

Additional information

Minova Australia offers a comprehensive range of products, all of which have been developed after extensive research and testing on a global scale via our international network of operations. These products include:

- Resin anchor systems
- High yield grouts and foams
- High volume output grouts
- Monolithic chock systems
- High performance cable bolt grouts
- Polyurethane resin systems
- Binder systems and accelerators for backfilling
- Pre-packaged high build spray cements
- Spray able coatings for ventilation control
- Water stop grouts
- Ventilation Formwork Systems including: Meshblock, Gunmesh, Tecmesh and Tecplastic
- Grout Mixers and Batches both air and hydraulically operated
- Flexible membranes for strata support and waterproofing applications
- Contract Installations

If further information is required consult Minova Australia.

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MIN AUS/MS2228/03/E

