

INNOVATIVE ANCHORING GROUTS.



SECURING PERFORMANCE. TOGETHER.

Minova is an international producer of high-performance ground support products for the mining, construction and energy industries.

Our products are engineered to provide safety, efficiency and certainty to your operations, wherever you are.

We provide tailored solutions for a variety of applications, whatever it takes.

We can help you increase project performance and overcome application challenges through a wide range of products that are secure in any conditions, wherever you need to go.

ANCHORING GROUTS.

Minova have been committed to global research and development since the mid-1980's. We range a comprehensive selection of anchoring grouts for all your general and specific bolting applications. These include cable bolt grouting, general strata injection and consolidation applications.

Our tried and tested anchoring grouts have been specially designed for hard and soft rock mining projects and tunnelling applications where rapid strength gain is essential.

KEY FEATURES

- Rapid strength gain
- Durability of high strength and low porosity for long term life
- All grout formulations include a non-shrink expansion compensation system
- Suitable for all forms of manual and mechanised cable bolt grouting
- Excellent pumpability
- Resistance to high saline and acidic ground water
- Supplied pre-blended and pre-packaged, requiring only the addition of set amounts of water in a high shear mixer to produce high quality grouts

Other applications include thixotropic grouting, long distance pumping, water stop grouting and rapid advance drill and blast development.

over **35+ years**
of experience

with cable bolt grouting research and development

excellent
pumpability

free flowing, blended cementitious powder with extremely good pumpability

**IDEAL FOR
CABLE BOLT
GROUTING IN
UNDERGROUND
& SURFACE MINE
APPLICATIONS
WHERE RAPID
STRENGTH
GAIN IS A
PREREQUISITE**



Grout telltale on completion of cable grouting

ANCHORING GROUTS



STRATABINDER™ HS

is a high strength grout for bottom up cable bolt grouting. Supplied as a ready to use, free flowing, blended powder, it requires only the addition of water in a high shear mixer.

ALSO AVAILABLE:
Stratabinder HS Slow Set - low viscosity grout that remains workable for several hours.

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 ensure long term durability

Excellent pumpability

Slow setting option remains workable for several hours (HS Slow Set)



FB400 is a high strength thixotropic grout for top down cable bolting and grouting of long tendons.

ALSO AVAILABLE:
FB400C - contains migrating corrosion inhibitor for enhanced corrosion protection.

FB400 + - developed for long distance pumping up to 100 meters.

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 ensure long term durability

Excellent pumpability

Pumpable up to 100 metres with FB400+



CONBEX® HES is a thixotropic grout ideal for cable bolt grouting in underground and surface mine applications where rapid strength gain is a prerequisite. Excellent resistance to high saline and acidic ground water.

ALSO AVAILABLE:
Conbex® HT (Hithix)
- long pot life for use with automated cable bolting rigs.

ADVANTAGES

Rapid strength gain reduces the likelihood of bed separation or slippage of strata

Reduces down-time before drilling/blasting can recommence

Non-shrink, unique expansion system compensates for shrinkage

Excellent pumpability

Economical, high strength gain at significantly lower cost than resin grouts

Excellent durability in high saline and/or acidic ground water

PRODUCT SPECIFICATIONS / TYPICAL RESULTS

Product	Water per 20Kg bag (L)	Wet Density (Kg/m ³)	20 Kg bag Yield (L)	20°C Set Time	Typical Strength (MPa)		
					24 Hrs	7 Days	28 Days
Stratabinder HS	6	2080	12.5	7 hrs	50	75	100
	7	2000	13.5		30	65	82
	8	1930	14.5		25	58	72
Stratabinder HS Slow Set	9	2070	14	8 hrs	12	32	39
FB400	6	2030	12.8	7 hrs	40	74	85
	7	1950	13.8		29	51	67
	8	1867	15		26	46	58
Conbex HES	4	2100	11.4	1 hr	60	75	80
Conbex HT	5	2080	12	80 min	48	54	62
	6	2000	13		36	40	54

WATER QUALITY

All our cement grouts are tested with and should be used with potable water. If water quality is of concern for any proposed application, a 20 litre sample of the intended water should be sent to our Nowra laboratory for grout comparison testing. This testing will confirm the compatibility for use with the selected grout and ensure that the design specifications of the grout can be achieved.

SUPPLY

Anchoring grouts are available in 20kg high wet strength (HWS), multi wall plastic lined paper bags. FB400 is also available in a 15kg HWS paper bag. Our HWS bags provide superior performance to traditional stitched or glued plastic bags in relation to strength, durability and moisture absorption.

All grouts are supplied on shrink wrapped pallets.

APPLICATION SERVICES

Comprehensive training and assessment by qualified Minova representatives is available to all customers. In addition, on site quality control programs can be specifically developed and managed to suit your individual requirements, ensuring the consistent quality of placed grout.

QUALITY CONTROL

The superior quality of our cement anchoring grouts is assured through a four-part quality control program:

1. Raw Material Testing
2. In-process quality control testing
3. Finished product acceptance testing
4. Quality system management to ISO 9001:2015

All quality control testing is completed by trained personnel using industry recognised equipment, regularly calibrated by an independent and authorised testing company in accordance with our quality management system.

For further information see the relevant Technical Data or Safety Data sheet, copies of which are available on our website.

NEW SOUTH WALES

Kurri Kurri
Smithfield
Nowra

QUEENSLAND

Mackay

SOUTH AUSTRALIA

Adelaide

WESTERN AUSTRALIA

Perth

Customer Service:

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