

SOFT ROCK MINING / HARD ROCK MINING

ROCKFAST HYDROBLEND

FAST SETTING, LOW VISCOSITY, HIGH VOLUME GROUT

DESCRIPTION

Rockfast Hydroblend is a fast setting, low viscosity, high yield grout supplied as a ready to use free flowing blended cementitious powder. It requires only the addition of water in a suitable placing machine.



APPLICATION AND USES

- Replacement for timber chocks in longwall tailgates
- Recovery of falls in headings and intersections
- Backfilling behind steel sets

ADVANTAGES

- High volume with a typical output of 15- 22 x 20 kg bags per m³, reducing transportation requirements underground
- Fast setting and minimises hydrostatic pressure, enabling chocks to be pumped without additional support in one shot
- Rapid strength gain ensures early support
- Yields to ground pressure, thereby reducing stress concentration in strata
- Non shrinking, unlike timber cribs
- Can be pumped remotely from a safe location up to 250m from job site
- Low alkalinity, safe to handle

TECHNICAL DATA

Several factors will affect gel time, strength development, set time and pumping life of the material. These are water content and temperature, water quality, ambient temperature, pumping rate, discharge hose capacity and mass of product placed.

Typical properties using 20°C potable water:

Water: Powder Ratio	1.75:1	2:1	2.5:1
Gel time @ 20°C (mins)	2-3	3-4	5-6
Age	UCS (MPa)		
1 day	5.0	4.0	3.0
7 days	5.5	4.7	4.5
28 days	6.5	5.0	4.8
Fresh Wet Density (kg/m ³)	1300	1260	1370
Maximum Pump Distance	250 m		

APPLICATION METHOD

Mixing and placing

Rockfast Hydroblend is designed to be used at a water:powder ratio of between 1.75 and 2.5:1.

- It is essential that the material be used in conjunction with a special purpose placer machine.
- When pumping chocks, special purpose bags should be used. These are suspended from the roof with lightweight mechanical jacks.
- It is highly recommended that operators receive full training from Minova Australia.

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	20 kg bags / m ³
1.75:1	24
2:1	21
2.5:1	18

PACKAGING AND TRANSPORTATION

Rockfast Hydroblend is supplied in 20kg bags. All bags are packed on stretch wrapped wooden pallets, 60 bags per pallet.

STORAGE AND SHELF LIFE

Rockfast Hydroblend has a shelf life of 12 months.

STORAGE CONDITIONS

Rockfast Hydroblend 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

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

Minova Australia Pty Ltd
George Booth Drive Kurri Kurri, NSW 2327

An ISO 9001:2015 Quality Management Certificated Company



FS 603747

LEARN MORE

Click on the website links to learn more about Minova and their solutions.

[About Minova](#)
[Lokset Resin Capsules](#)
[Anchoring Grouts](#)
[High Volume Output Grouts](#)
[Injection Chemicals](#)
[Sprayed Cements](#)
[Steel and Fibreglass](#)
[Mesh](#)
[Ventilation & Air Control](#)
[Surface to Seam](#)
[UniPass Bolting Technologies](#)
[Pre-Driven Recovery Roadway](#)
[Optimised Ore Recovery](#)

CUSTOMER SERVICE

(1800 Minova) 1800 646 682
(1300 Minova) 1300 646 682
+61 2 4939 5159 (international)

Email: sales_au@minovaglobal.com
Website: www.minovaglobal.com/apac

DISCLAIMER

All information contained in this document is provided for informational purposes only and is subject to change without notice. Since Minova cannot anticipate or control the conditions under which this information and its products may be used, each user should review the information in the specific context of the intended application. To the maximum extent permitted by law, Minova specifically disclaims all warranties express or implied in law, including accuracy, non-infringement, and implied warranties of merchantability or fitness for a particular purpose. Minova specifically disclaims, and will not be responsible for, any liability or damages resulting from the use or reliance upon the information in this document.

The Minova Logo is a registered trademark.

© Minova Australia Pty Ltd

® Registered trademark of Minova International Limited