



Product List January 2022

Innovation. When there is nothing else.....

The formation of our company and close alliances has allowed our team to focus on providing quality innovative ventilation and consolidation solutions to the mining industry. Our comprehensive standard products offer our clients a starting point where each individual product can be adapted and customised to their individual requirements. The pursuit for modernising technology and improving efficiencies is driving us to deliver ground-breaking services and products into your operation.

Underground Mine Stoppings

▶ 2 psi Stopping

Plaster Timber Prop and Villaboard
Plaster Tech Mesh and Pole
Shotcrete Timber Prop and Villaboard
Shotcrete Tech Mesh and Pole
Flexible Fras Rated

▶ 5 psi Stopping

Plaster Timber Prop and Villaboard
Plaster Tech Mesh and Pole
Shotcrete Timber Prop and Villaboard
Shotcrete Tech Mesh and Pole
Flexible Fras Rated

Underground Mine Seals

- ▶ 20 psi Plug Seal
- ▶ 50 psi Plug Seal
- ▶ 120 psi Plug Seal
- ▶ 20 psi Shotcrete Seal
- ▶ 50 psi Shotcrete Seal
- ▶ 120 psi Shotcrete Seal
- ▶ Bulkhead Plug Seal (5m to 30m water head)

- ▶ Emergency Seals Fabricated
- ▶ Emergency Seals Flexible FRAS

Cavity and Void Fill

Low cost Void / Cavity fill material – Cementitious *(Please refer to the Grouts section on page 4)*

Fall Recovery and Support

- ▶ Engineered / Rated steel sets and Support Lagging
- ▶ 500 Tonne pumpable roof support columns

Applied Sealing Products

- ▶ **VShot S** - Wet Application Standard Shotcrete achieving 70MPa (Engineered) for all general shotcrete applications.
- ▶ **VShot MP** - Wet Application Multipurpose Shotcrete. Engineered for expedited early strength reaching in excess of 45MPa, ideal for sealing applications.
- ▶ **VShot FS** - Wet Application Fast Set Shotcrete achieving 60MPa with set times at 30min, 20MPa in 12hrs. Commonly utilised in water control activities.
- ▶ **VShot HS** - Wet Application High Strength Shotcrete from 90 - 120MPa utilised in industrial and heavy civil installations.
- ▶ **VPlast** - Wet Application Mine Plasters - Engineered *(currently in development stage)*
- ▶ Mine Plaster IS DR - Standard Dry Mine Plasters
- ▶ Mine Plaster PDS - IS DR Standard Dry Mine Plasters - Water Resistant

Underground Overcasts

- ▶ Unrated Overcast (Full Roadway Segregation)
- ▶ Unrated Overcast (Lid Style)
- ▶ 5 psi Overcast (Full Roadway Segregation)
- ▶ 5 psi style Overcast (Lid Style)
- ▶ Trafficable Overcast (50 Tonne rated)
- ▶ Trafficable Overcast Skewed (50 Tonne rated)

Ventilation Doors

- ▶ Rated Machine Doors 5psi
- ▶ Regulator Machine Doors 5psi (Internal Louver style)
- ▶ Bobcat Doors 5psi
- ▶ Coffin Seals, (various configurations available)
- ▶ Pneumatic over Hydraulic Actuators to suit all Doors
- ▶ Butcher Doors (various configurations available)
- ▶ Man Door - Unrated (various configurations available)
- ▶ Man Door - 2psi (various configurations available)
- ▶ Man Door - 5psi (various configurations available)

Engineered Water Control

- ▶ Engineered Water Head Rated Underground Dams
- ▶ Engineered Water Head Rated Underground Weir Walls

Ancillary Items

- ▶ Engineered Bulk Bag Support Frames
- ▶ Engineered Bulk Bag Lifters
- ▶ Various Diesel Equipment Hire
- ▶ Duckbills for Hire / Purchase
- ▶ Narrow Duckbill (Pallet Style) for Hire / Purchase
- ▶ Air Track Transport Pod for Hire / Purchase
- ▶ Steel Sump Formwork for Hire / Purchase
- ▶ Roof and Rib Bolter Hire
- ▶ Grout Equipment Hire
- ▶ Concrete Purlins
- ▶ Regulator Louver Panels (various sizes)

Grouts

<p>VGrout-5 Industry standard high yield grout 5MPa @ 2.5:1 WPR</p>	<p>VGrout-5 is a pre-packaged, ready to use, cement based single pack high yield grout (3.3m³/1000kg of product) that produces exceptional strength gains at high water to powder ratios. Ideal for Underground Roof supports, Ventilation Devices, void fill, back fill and cavity fill applications.</p>
<p>VGrout-7 Industry leading high yield grout. 7MPa @ 2.2:1 WPR</p>	<p>VGrout-7 is a pre-packaged, ready to use, cement based single pack high yield grout (3m³/1000kg) with incredible late age strengths. Ideal for Underground Roof supports, Ventilation Devices, void fill, back fill and cavity fill applications.</p>
<p>VGrout-FS High yielding low strength cavity fill foaming grout. 1.3MPa @ 1.8:1 WPR</p>	<p>VGrout-FS is a pre-packaged, ready to use, cement based, single pack, foaming high yield grout (3.5m³/1000kg) that produces exceptional strength gains at high water to powder ratios. VGrout-FS is a highly adaptable grout and can be engineered to individual requirements.</p>
<p>VGrout-HY-30 A high yield grout slowed to allow for longer placement times & pumping distance up to 200m 5MPa @ 2.5:1 WPR</p>	<p>VGrout-HY-30 is a pre-packaged, ready to use, cement based single pack high yield grout (3.3m³/1000kg) that produces exceptional strength gains at high water to powder ratios. Ideal for Underground Roof supports, void fill and cavity fill applications. Gel times can be modified to suit operational requirements.</p>
<p>VGrout-T8 Top-down thixotropic cable bolt grout. 2 hour set time. High yielding, low pH. 75MPa @ 0.35:1 WPR</p>	<p>VGrout-T8 is a custom made, industry standard 'top down' grout for use in mining, civil and construction applications. The VGrout-T8 is designed to offer the advantage of increased mine development times, as set time is approximately 120 minutes depending on water addition. This can be modified upon request for expedited or lengthier set times pending applications.</p>
<p>VGrout-B2 Bottom-up multi-purpose flowable grout. 2 hour set time. High yielding, low pH. High strength 90MPa @ 0.30:1 WPR</p>	<p>VGrout-B2 is a custom made, industry standard 'bottom up' grout for use in mining, civil and construction applications. Similar to its counterpart VGrout-T8, VGrout-B2 is designed to offer the advantage of increased mining operational advantage, as standard set time is approximately 120 minutes depending on water addition. This can be modified upon request for expedited or lengthier set times pending applications.</p>

Road Repair

VRoad Absorbent Road Repair	VRoad is a high performance, rapid setting cementitious product specifically designed for treating poor quality in-situ material. Use as pre-placement for rapid road systems. Can be utilized as a sacrificial roadway/thoroughfare.
VRapid R-40 40MPa road system	VRapid R-40 is a high performance, rapid setting cementitious product specifically designed for treating poor quality in-situ material ideal for use in road construction / consolidation and repair.
VRapid R-60 60MPa road system	VRapid R-60 is a high performance, rapid setting cementitious product specifically designed for treating poor quality in-situ material ideal for use in road construction / consolidation and repair.

VentSec are renowned for our innovation and custom designs to assist all mining operations with their major or minor day to day challenges.

Our vast network and design engineering teams allow us to analyse each presented situation individually and provide client base solutions in all underground ventilation, fabrication, airborne contaminate free applications and ground consolidation / stabilisation functions.

Our aim is to be the most prominent distributor of Ventilation, Consolidation and Ancillary products and services available to the underground mining sector

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