

Technical Data Sheet (TDS)

VGrout-B2

Description

VGrout-B2 is a custom made, industry standard 'bottom up' grout for use in mining, civil and construction applications.

The VGrout-B2 has a paired, single component top-down version cementitious grout, the VGrout-T8. Both grouts have been designed to offer the applicator excellent performance, yield, and pumpability.

The VGrout-B2 is a fluid grout which uses gravity to flow into a hole and uses its density to displace air. This grout offers high yield ratios and better than industry standard strength gain and expedited set times.

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.

Recommended Uses

VGrout-B2 is recommended for use in all mining, civil, construction, bottom up bolting and high early strength requirement applications.

Features & Benefits

VGrout-B2 has the following advantages:

- High early strength
- High late strength
- Improved early set time
- Non-shrink
- Just add water
- Free flowing
- Reduced alkalinity

Performance Data

Estimated Yield = 12.68 litres per 20kg bag

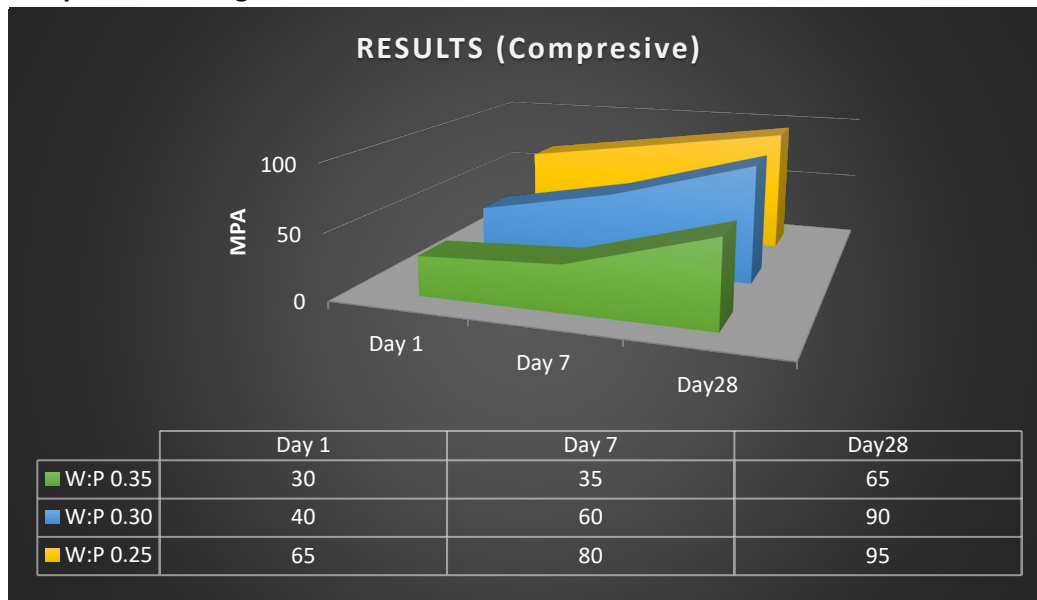
Fresh density = 2050kg/m³

Modulus of elasticity = >30 GPa

Shrinkage = Non-shrink

pH = 10.5

Compressive Strength



**Typical values for 50mm cubes to AS1478.2 at 23°C (+-2°C).*

*Variations are to be expected as a result of changing site conditions, weather, quality of preparation, level of expertise during application & curing. Results from independent core testing.

Application

The VGrout-B2 needs only the addition of water at the recommended water: powder ratio of 0.25 to 0.35 to create a free-flowing grout.

A high shear paddle mixer capable of accurately measuring the water content is required.

The mixer is filled with water and product as per the WPR recommendation. Water exceeding the recommended WPR will affect early and final strength gains.

As this highly specialised blend requires the grout to be continuously mixed, ensure that the mixing method is sufficient to enable continuity of installations.

Cleaning

All grouting equipment, including pump and grout lines, must be cleaned with water immediately after use of VGrout-B2 as per standard practice.

Storage & Shelf Life

If VGrout-B2 bottom-up grout is kept in its original packaging in a dry environment, shelf life of 12 months is to be expected. This time may be reduced if the product is subject to high temperatures or humidity. Bulk bags are expected to remain covered in plastic until use.

Packaging

VGrout-B2 is packaged in 20kg bags, 600kg, 1000kg and 1200kg bulk bags. Other packaging options can be requested.

Health & Safety

- Avoid contact with skin and eyes. Wear suitable protective clothing.
- Avoid inhalation or ingestion.
- In case of contact with skin or eyes, rinse immediately.
- Seek medical attention immediately if ingested.

Please refer to the relevant SDS for further information.

Disclaimer

The technical information and application advice summarised in this document is based on our current practical knowledge.

Intending users should read this TDS as well as the SDS and consider the information provided in the context of how the product will be handled and used in the workplace, including in conjunction with other products.

We accept no responsibility for loss or injury caused by improper use, incompetent preparation or ordinary wear and tear.

Our responsibility for product sold is subject to our standard terms and conditions; no warranty expressed is implied as Ventsec has no control over mix design, handling or use of the product. Ventsec retains the right to update this TDS without prior notice.

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