

Technical Data Sheet (TDS)

VGrout-5

Description

VGrout-5 is a pre-packaged, ready to use, cement based single pack high yield grout that produces exceptional strength gains at high water to powder ratios.

VGrout-5 is a fifth-generation high yield grout blended with a quality range of inorganic poly cement and hydraulic based chemicals.

VGrout-5 is a highly adaptable grout and can be engineered to individual requirements.

Recommended Uses

VGrout-5 is recommended for use in all mining, civil or construction applications.

This should not be used as a backfill binder.

Features & Benefits

VGrout-5 is a cost effective, high yield grout with the following advantages:

- Excellent compressive strength for water powder ratios
- Low material consumption rates, - Low transportation to application point requirements.
- High water contents, up to 98% water by volume support grouts
- Will not corrode or rot
- Immediate roof support, bags can be overfilled to provide an intimate connection with all surfaces
- Non-Flammable
- Non-Toxic

Performance Data

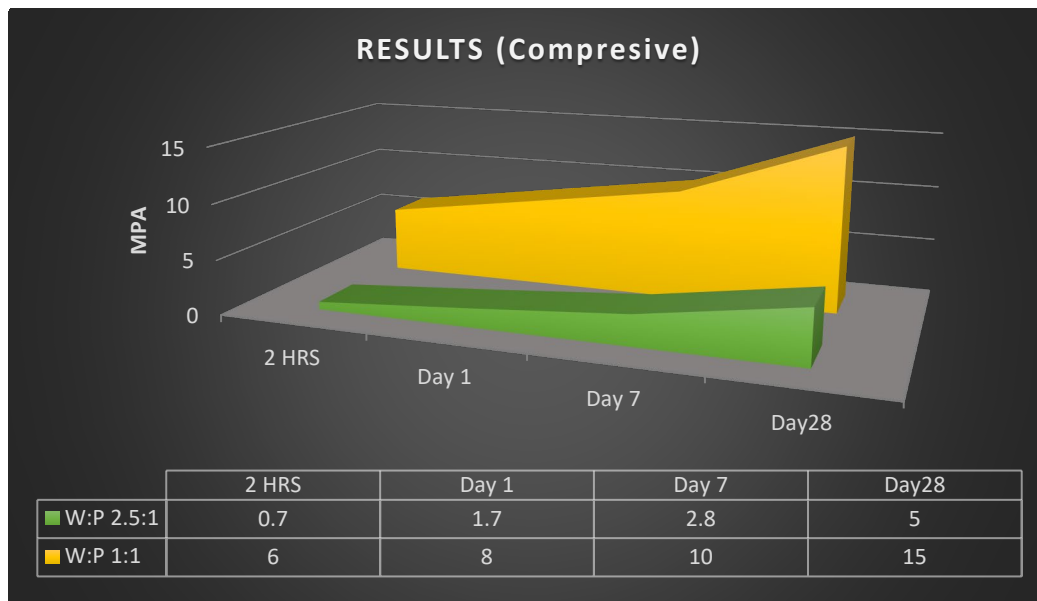
Setting Times

Setting should not be confused with hardening, which refers to the gain in mechanical strength after the certain degree of resistance to the penetration of a special attachment pressed into it.

***Initial set: 6-10 mins at 20°C**

***Pumping Life: 4-6 mins at 20°C**

Compressive Strength



*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.

Typical volumetric Data

2500 litres water – 1000kg product – 3.3m³ final yield (WPR 2.5:1)

Application

VGrout-5 must be used as is and not diluted or extended. Additions to the product will change the performance and reduce the efficiency of the product.

Due to the diverse nature and application range of VGrout-5 it is highly recommended grout selection is made by consultation with our trained staff and that on-site training is undertaken prior to the application of the product.

VGrout-5 shall be mixed in a high-shear paddle mixer at the required water to powder ratio. The mixer shall be able to accurately measure the required water before the VGrout-5 is slowly added until fully dispersed.

The product must be used in accordance with strict process and quality control procedures and only be utilised at the discretion of suitably qualified engineering personnel.

Cleaning

Rinse all tools & equipment with clean water immediately after use, removing all traces of VGrout-5.

Storage & Shelf Life

If VGrout-5 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. If products are to be stored underground, they should be stored in a dry area, free from water ingress and increased humidity.

Packaging

VGrout-5 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 SDS data and consider the information provided in the context of how the product will be handled and utilised 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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