

Technical Data Sheet (TDS)

VRoad

Description

VRoad is a high performance, rapid setting cementitious product specifically designed for treating poor quality in-situ material.

It is a premixed powder that is Australian made and manufactured under an 1509001-management system to ensure consistent product quality.

Recommended Uses

VRoad is recommended for use in all mining or civil applications where modification of soft, high fluidity or slurry like materials is required. VRoad improves this material to allow conventional bulk handling.

Features & Benefits

VRoad is a cost effective, time saving product that features the following:

- Designed to work with a wide range of substrate materials.
- Requires only addition and mixing with material.
- Pre-mixed to overcome site variations.
- Allows material to be ready for bulk handling in several hours due to rapid setting characteristics.
- Improves on-site bulk handling efficiencies.

Performance Data

Compressive Strengths

DAYS	COMPRESSIVE STRENGTH (MPa)*
8 hours	1-2
1 day	5-10
3 days	10-15
7 days	15-20
28 days	>50

*Compressive strength tested as per AS1012.2:1994 at water to cement ratio of 0.65 and for guidance only. Considerable variations are to be expected as a result of changing site conditions, weather, quality of preparation, level of expertise during application & curing.

Application

Initial site-based trials with the material to be treated are required to determine addition rate of VRoad.

The optimum addition rate will depend on material characteristics, water to solids content and material expectations.

Trials should focus on water to solids content of the material to be treated, volume of material to be treated and ratio of VRoad to material content.

Once addition rates have been determined VRoad shall be spread as a layer over the surface of the area to be treated.

VRoad shall then be mixed into the area with means available on-site. Mixing techniques such as back blading or lifting and dumping the material might be sufficient.

Once mixed, the treated area shall have a noticeable change in consistency within 15-60 minutes.

Cleaning

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

Storage & Shelf Life

If VRoad 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

VRoad is packaged in 1.0/1.2 tonne 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 Pty Ltd has no control over mix design, handling or use of the product.

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