

# Technical Data Sheet (TDS)

## VRapid-R-40

### Description

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VRapid R-40 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 ISO9001 management system to ensure consistent product quality.

### Recommended Uses

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VRapid R-40 is recommended for use in all mining or civil applications where modification of soft, high fluidity or slurry like materials is required. VRapid R-40 improves this material to allow conventional bulk handling.

### Features & Benefits

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VRapid R-40 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

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#### Compressive Strength

DAYS	COMPRESSIVE STRENGTH (MPa)*
8 hours	1-2
1 day	5-10
3 days	10-15
7 days	15-20
28 days	>40

\*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

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Initial site-based trials with the material to be treated are required to determine addition rate of VRapid R-40.

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 VRapid R-40 to material content.

Once addition rates have been determined VRapid R-40 shall be spread as a layer over the surface of the area to be treated.

VRapid R-40 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

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Rinse all tools & equipment with clean water immediately after use, removing all traces of VRapid R-40.

## Storage & Shelf Life

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If VRapid R-40 is kept in its original packaging in a dry environment, shelf life of 6 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

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VRapid R-40 is packaged in 1000kg and 1200kg bulk bags. Other packaging options can be requested. Packing slips will state batch and manufacturing date.

## Health & Safety

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- 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

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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.

### Contact

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**Daniel Nicholson – Managing Director**



**0455 603 731**



**[dnicholson@ventsec.com.au](mailto:dnicholson@ventsec.com.au)**  
**[info@ventsec.com.au](mailto:info@ventsec.com.au)**



**[www.ventsec.com.au](http://www.ventsec.com.au)**