



**Aquacrete®**

**Wet-Repel®**



PRODUCT DATASHEET

## Goes on wet, dries to repel water

A strong and dependable water-resistant product, Aquacrete® Wet-Repel® is perfect for water containment, ventilation control and strata consolidation in underground mines.

Ideal for containment of water and gas, Aquacrete® Wet-Repel® delivers high early strength and provides a long-term structural solution across a wide range of applications.



# Aquacrete®

# Wet-Repel®



## FEATURES

- Does not shrink during curing.
- Can be applied to any thickness in a single application.
- Achieves specified overpressure rating in 24 hours.
- Minimal site preparation.
- Bonds strongly to rock, coal and other substrates.
- Provides a water-resistant seal.
- High early strength for reliable short and long-term use.
- Compressive strength up to 25 MPa.
- Applied with standard pneumatic equipment.
- Non-slumping.

## APPLICATIONS

- Explosion-rated ventilation Stoppings and Seals
- Overcasts and overcast wings
- Strata control
- Water-retaining bulkheads
- Backfill containment walls
- Dam walls.

## PERFORMANCE

Aquacrete® Wet-Repel® adheres well to various substrates to ensure a reliable seal. It provides a durable barrier against water infiltration, making it highly water-resistant.

With anti-static and fire-resistant properties, Aquacrete Wet-Repel® can be applied to any thickness in a

single application. It has a non-slumping formula and strong adhesion, achieving its specified overpressure rating and forming a water-resistant seal after 24 hours. Structures can be engineered to meet site-specific overpressure requirements in excess of 100 psi. Performance has been verified by full-scale blast testing in an underground mine, with results certified by independent engineering consultants.

## PACKAGING/HANDLING/STORAGE

Aquacrete® Wet-Repel® is available in:

**20kg bags** 72 bags per pallet

**750kg bulker bags** 2 bags per pallet

**1 tonne bulker bags** 1 per pallet

For optimal performance, store in its original, unopened packaging in a dry, covered area.

## QUALITY CONTROL

To ensure Aquacrete® Wet-Repel® meets the highest industry standards and specified engineering properties, it is tested and certified by the National Association of Testing Authorities (NATA). Please contact us if you require a copy of the relevant certificates.

## DISCLAIMER

Performance test results are provided as a guide and may vary depending on site conditions, application methods, installer expertise, and general job site care.

We recommend that users assess the suitability of our products for their specific environment and application. For questions about product specifications, intended use, or best application practices, please contact our technical team at 0417 818 004.

For further details, please refer to the Safety Data Sheet.

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## TECHNICAL SPECS

Form	Granular powder
Colour	Off-white
Bulk density	1300-1400kg/m <sup>3</sup>
Compressive strength at 2 days	17MPa
Compressive strength at 28 days	25MPa
Flexural strength at 28 days	4-5MPa
Shear strength at 28 days	1594kPa
Flammability	Non-flammable / anti-static

For more information about Aquacrete® products call 0417 818 004, email [sales@aquacrete.com.au](mailto:sales@aquacrete.com.au) or visit [aquacrete.com.au](http://aquacrete.com.au)

