

Wet-Repel™

Aquacrete Wet-Repel™ is a water resistant, single component, high strength product that provides ventilation control and geology consolidation in underground mines.

Recommended for the mitigation of water and gas in a single-component process, Aquacrete Wet-Repel™ achieves high early strength and is effective as a long-term structural solution across a range of applications.

APPLICATIONS

Aquacrete Wet-Repel™ can be used for a wide range of applications including but not limited to:

- Explosion-rated ventilation seals and stoppings
- Dam walls
- Water-retaining bulkheads
- Backfill containment barricades
- Overcast and overcast wings
- Rib consolidation and longwall rib consolidation
- Stopping and seal repairs

PRODUCT FEATURES AND BENEFITS

Safer

- Earth-conscious and non-hazardous
- Anti-static and fire resistant
- Product certification has been issued by an accredited National Association

of Testing Authorities (NATA) laboratory for over-pressure performance in a live underground blast test.

- Cures to off-white colour

Faster

- Applied with standard pneumatic air-operated equipment
- Can be applied to any desired thickness in a single application
- Rapid setting and achieves specified rating in 24 hours
- Non-slumping

Stronger

- Excellent adhesion properties enables use with various substrates
- Provides a water-resistant seal
- Complies with relevant coal mine safety and health regulations when applied to a minimum thickness using the product installation guideline

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PERFORMANCE FEATURES

CHARACTERISTICS	
Form	Powder
Colour	Off-white
Bulk density	1300-1400kg/m ³
Application thickness	As per installation guidelines

PERFORMANCE	
Flexural strength at 28 days	4-5MPa
Compressive strength at 2 days	17MPa
Compressive strength at 28 days	25MPa
Shear strength at 28 days	1594kPa
Flammability	Non-flammable / anti-static

PACKAGING

Aquacrete Wet-Repel™ is supplied in 3 packaging options:

- 20kg bags on 1.5 tonne pallets
- 750kg bags on 1.5 tonne pallets
- 1 tonne bulk bags

Product referred in gross weight.

STORAGE AND HANDLING

Product should be stored in original, unopened bags undercover in dry conditions.

NOTE

The performance test results are subject to variation depending on the care taken at the job site, the level of product application expertise, site conditions and any other

conditions beyond Whitfield Mineral's control. Refer to Safety Data Sheet for further information.

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