

Wet-Repel™

Product Data Sheet

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

PRODUCT FEATURES AND BENEFITS

- 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.
- 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.
- 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.

TECHNICAL SPECIFICATIONS

Form	Granular Powder
Colour	Off-white
Bulk density	1300-1400kg/m ³
Application thickness	As per installation guidelines
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 * Gross weight
- 750kg bags on 1.5 tonne pallets
- 1 tonne bulk bags

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 Central Gypsum's control.

Refer to Safety Data Sheet for further information.

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