

A P P L I E D

concrete
SOLUTIONS

ACS PITCRETE WR 60

NEW AGE TECHNOLOGY

CONSTANT PERFORMANCE

DESCRIPTION

ACS Pitcrete WR 60 is a pre-packaged gypsum based sprayable grout ventilation control system, which, when compared to standard gypsum based products in the market, displays superior resistance to water absorption. The product is predominantly designed for use within, but not restricted to, mining applications.

A single application product, ACS Pitcrete WR 60 provides superior strength characteristics, premium water resistance qualities and a reduction in application time and costs.

It is particularly suitable for underground ventilation control devices and sealing applications. Because of its premium water resistance qualities, a waterproofing membrane is usually not required prior to application.

RECOMMENDED USES

ACS Pitcrete WR 60 is typically used in underground mining applications for ventilation sealing, where there is a higher presence of water therefore requiring a product with higher than normal water resistance to moisture absorption.

COMPATIBILITY

ACS Cement GP may be blended with other cements complying with AS3972. It is also suitable to blend with fly ash and/or blast furnace slag complying with AS 3582.

FEATURES AND BENEFITS

- Convenient and Accurate - supplied ready to use under stringent quality control standards
- Single, easy application in dry-mix spray systems – saves time and labour costs
- Requires no waterproofing membrane due to high water resistance
- Cures to an off-white colour and therefore requires no over-coating
- Greater than 35% less dust characteristics for safer and easier application
- Minimal rebound in dry sprayed processes
- High early strengths for early re-entry to work area

PACKAGING

ACS Pitcrete WR 60 is available in 20kg bags or 1.1 tonne bulk bags.

TECHNICAL PROPERTIES

Typical properties when mixed with the appropriate amount of potable water and tested at 25°C and 50% RH.

Plastic Density	800 – 1200kg/m ³ (depending on consistency)
Estimated Yield	40 – 60/20kg bags per m ³ (depending on consistency)

Compressive Strength (MPa) AS1012.14

Age	Compressive Strength
1 hour	11 MPa
24 hours	11 MPa
7 days	21 MPa
28 days	24 MPa

Note: The above is based on plastic density of 1200kg/m³ with 50mm cube samples and cured by water immersion. Reasonable variations to the above data can be expected, as strengths may vary due to job site conditions, weather, curing procedures and levels of expertise during application.

FIRE RESISTANCE

ACS Pitcrete WR 60 complied with the requirements of Fire Resistance when tested in accordance with Mine Safety Test Method 98/1070 Issue No.3 Part C. A full copy of test results available upon request.

APPLICATION

The surface to be sprayed should be prepared by removing all unsound materials and debris.

ACS Pitcrete WR 60 can be applied in depths of 10 – 200mm in one pass depending on the spraying method used, as well as substrate and weather conditions.

ACS Pitcrete WR 60 may be applied over an extended time of two different shifts by cold bonding to the previous layer.

CLEANING

All tools should be rinsed with water immediately after use to remove all traces of ACS Pitcrete WR 60.

STORAGE

The product will keep indefinitely if kept dry and stored in its original condition.

The shelf life of the product may be reduced if subjected to moisture, high temperatures and high humidity.

HEALTH AND SAFETY

During use, avoid inhalation of dust and contact with the skin and eyes. Wear suitable clothing, gloves, eye protection and respiratory protective equipment.

If contact with the skin occurs, thoroughly clean the area with plenty of fresh water and soap. In case of contact with the eyes rinse with plenty of fresh water and seek medical advice.

If swallowed, seek medical attention immediately - do not induce vomiting.

For further information consult the Material Safety Data Sheet (MSDS) and read the product label carefully before use.

MSDS documents are available by phoning 1800 077 744.



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PLEASE NOTE

The information given in this data sheet is based on our current knowledge of the product when properly stored, handled and applied. We cannot guarantee that the product will be suitable, effective or safe when used for any purpose other than its stated uses.

To the extent that it is lawful, we exclude warranties implied by law and limit our liability to the cost of replacing the product. We accept no responsibility for loss or injury caused by improper use, incompetent preparation, inexpert or negligent application, or ordinary wear and tear.

Service or advice given by our staff should not amount to responsibility for the project - since the owner, or their contractor (and not River Sands), is responsible for procedures relating to the application of the product.

APPLIED CONCRETE SOLUTIONS
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