

High Yield Grout

DESCRIPTION

ACS High Yield Grout is a low density, high yield grout containing Portland cement and special additives.

ACS High Yield Grout produces a durable, low density pumpable grout suitable for a number of different mining and civil applications.

USES

- Backfilling and cavity filling.
- Seals and stoppings.
- Low strength support.
- Erosion control and pavement bases.

FEATURES AND BENEFITS

- Easy to mix and place.
- High volume yield.
- Rapid gelling providing quick seals.
- Lightweight - reducing stress concentration in strata.
- Cohesive - easily pumped without segregation.
- Shrinkage compensated – ensures good adhesion to substrate.
- Provides superior long term stability.

PACKAGING

ACS High Yield Grout is supplied in 20kg paper bags or one tonne bulk bags.

PERFORMANCE DATA

The water to powder ratio determines the strength and density of *ACS High Yield Grout*.

Generally, the lower the water:powder ratio, the higher the compressive strength, density, and durability of the grout.

PROPERTIES

Typical Properties when mixed with potable water and tested at 25°C and 50%RH:-

Water: Powder Ratio	2:1	1.5:1	1:1
Fresh Wet Density, kg/m ³	840	980	1140
Approx Yield, 20kg bags/m ³	14	20	29
Approx Gel Time @25°C	7-10	5-7	3-5
Compressive Strength (50mm cubes air cured @25°C)			
Age (days)	Typical (MPa)		
1 day	0.5	2.0	3.0
7 days	1.5	3.5	6.0
28 days	2.0	4.0	6.5

Note:- Laboratory and field trials should be undertaken to determine optimum yield as results can be affected by many variables such as the type of pump and its efficiency, water content and quality, ambient temperature, pumping rate, volume of grout placed and placing techniques.

PLACEMENT AND MIXING

ACS High Yield Grout should be mixed and placed with suitable grout mixing and pumping equipment.

Any regulation of the pump must be done prior to, and during filling to ensure uniformity.

For more information and assistance contact your ACS Technical Mining Representative.

CLEAN UP

Thoroughly clean the mixer, pumps and hoses with water after use.

STORAGE

Stored in original, unopened packaging, in cool dry conditions, *ACS High Yield Grout* will keep for up to six months. Storing the product in areas of high humidity or excess moisture may affect the contents and shorten shelf-life.

HEALTH AND SAFETY

ACS High Yield Grout contains ingredients which can be harmful to the skin. 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*** and read the product label carefully before use. ***Material Safety Data Sheets*** are available by phoning **1800 077 744**.

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, inexperienced 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.



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