

Mineflow M

DESCRIPTION

ACS Mineflow M is a ready to use, liquid high range water reducer for shotcrete.

ACS Mineflow M improves workability and pumpability of shotcrete without causing segregation.

USES

ACS Mineflow M can be used for all pre-mixed shotcrete where high flowability and water reduction characteristics are required.

ACS Mineflow M is suitable for tunnel linings and underground mining applications. It is also suitable for concrete in civil works.

FEATURES AND BENEFITS

- Produces high quality, highly flowable, cohesive shotcrete mix.
- Enables mixing water to be reduced significantly.
- Provides high early strength gain of shotcrete.
- Allows for quicker placement and reduced curing times.

PACKAGING

ACS Mineflow M is available in 1000 litre non-returnable IBC's.

DOSAGE RATE

The dosage rate of *ACS Mineflow M* depends largely on the extent of flow and water reduction required. In general, *ACS Mineflow M* should be added at approximately 600 - 1000mls per 100kg of cementitious material.

Note:- Site trials should be undertaken to determine correct dosage rate.

TECHNICAL PROPERTIES

Colour:	Yellow, translucent.
Form:	Liquid
Density @23°C:	approx 1.2 – 1.3
Dosage:	600 - 1000mls per 100kg of cementitious material.
pH Value @23°C:	Approx 10

MIXING AND APPLICATION

- Add *ACS Mineflow M* to freshly mixed shotcrete at the batch plant or on-site.
- Batch Plant Addition:- Before adding *ACS Mineflow M* at the batch plant, ensure the cement has been thoroughly wetted and at least 75% of the water has been added.
- On-Site Addition:- If adding *ACS Mineflow M* on-site, mix the shotcrete for a further 2-3minutes before placing.

CLEANING

Ensure the dosing pump, hoses and other components are thoroughly cleaned with water both before and after use.

STORAGE

If stored in its original container, and at temperatures between 5°C and 30°C, *ACS Mineflow M* will keep for up to 12 months.

SAFETY

Avoid 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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