

Minespeed F1

DESCRIPTION

Australian designed and made, *ACS Minespeed F1* is a high early strength, alkali free, liquid accelerator for shotcrete systems.

The product is supplied ready to use and will enable the shotcrete to reach high early strength gains without adversely affecting final strength properties.

USES

ACS Minespeed F1 is suitable for both wet and dry applications and has been specifically designed for securing and stabilising rock and slopes in mine, tunnel and subway construction.

ACS Minespeed F1 can also be used for the acceleration of cementitious grouts.

FEATURES AND BENEFITS

- Environmentally friendly.
- Australian made.
- Alkali free.
- Sets rapidly and achieves high early strength.
- Setting times can be altered by changing dosage rates, if required.
- Provides excellent bonding characteristics.
- Improves compressive strength of shotcrete.
- Offers consistency every time.
- Provides a low rate of rebound loss.
- Provides superior performance on wet ground and at low temperatures.

PACKAGING

ACS Minespeed F1 is available in 1000 litre non-returnable IBC's, 200 litre drums or 20 litre pails.

DOSAGE RATE

The dosage rate of *ACS Minespeed F1* will vary depending on application temperature conditions, the quality of cement used, required thickness, and target early strength development and setting time.

In general, approximately 3-10% by weight of cement is recommended. On-site trial applications of *ACS Minespeed F1* must be undertaken to determine the most appropriate ratio.

TECHNICAL PROPERTIES

Appearance:	Clear
Form:	Liquid dispersion
Density @23°C:	Approx 1.4 ± 0.05
pH Value@ 23°C:	Approx 2.8 - 4
Dosage:	3 – 10% by weight of cementitious materials.
Na2O + K2O	< 1%

SUBSTRATE PREPARATION

Ensure the substrate is clean and free from loose material. For optimum bonding, dampen the surface with high pressure water, prior to application.

APPLICATION

ACS Minespeed F1 should be applied using a recommended accelerator dosing unit.

We recommend using *ACS Mineflow M* to efficiently assist in lowering water content and to achieve a cohesive and pumpable mix.

CLEANING

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

STORAGE

When stored in original container, in temperatures between 5°C and 30°C, *ACS Minespeed F1* will keep for up to 12 months.

Re-circulate or re-mix any stored solution prior to re-using.

Please contact your ACS Representative prior to using the product, if it has been stored for more than six months.

Note:- Due to the product's acidic nature, do not store *ACS Minespeed F1* in steel containers.

SAFETY

During use, avoid contact with the skin and eyes. Wear protective gloves and eye protection when handling the product.

In case of contact with the eyes rinse with plenty of fresh water and seek medical advice.

If swallowed, seek medical attention.

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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