



CONSTANT PERFORMANCE

# ACS MINESPEED F1

## NEW AGE TECHNOLOGY ADMIXTURE

### DESCRIPTION

ACS Minespeed F1 is a high quality, alkali free, Australian made solution type liquid accelerator for shotcrete systems.

### RECOMMENDED USES

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

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

### FEATURES AND BENEFITS

- Alkali free
- Sets rapidly and achieves high early strength
- Provides excellent bonding characteristics
- Improves compressive strength of shotcrete
- Provides a low rate of rebound loss
- Provides superior performance on wet ground and at low temperatures

### PACKAGING

ACS Minespeed F1 is available in bulk delivery, 1000 litre IBCs, 205 litre drums and 20 litre pails.

### DOSAGE RATE

The dose 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                               |
| Dose rate       | 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 combining the use of the ACS range of super plasticisers 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 its acidic nature, do not store ACS Minespeed F1 in steel or aluminium containers.

## 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.

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