

# Minespeed Powder

## DESCRIPTION

*ACS Minespeed Powder* is a high performance, alkali free, rapid accelerator for dry shotcrete applications.

## USES

*ACS Minespeed Powder* is generally used for dry shotcrete applications such as shaft lining and tunneling.

## FEATURES AND BENEFITS

- Alkali and chloride free.
- Sets rapidly and achieves high early strength.
- Ideal for dry-process shotcrete applications, offering added convenience for transportation, storage and placement.
- Provides excellent bonding characteristics.
- Improves compressive strength of shotcrete.
- Provides a low rate of rebound loss.

## PACKAGING

*ACS Minespeed Powder* is available in a 20kg paper bag or 20L pail.

## DOSAGE RATE

The dosage rate of *ACS Minespeed Powder* depends largely on temperature conditions, the cement used, required thickness, target early strength development and setting time. In general, approximately 3-7% by weight of cement is recommended.

**Note:** On-site trial applications of *ACS Minespeed Powder* should be undertaken to determine the most appropriate dose.

## PRECAUTIONS

*ACS Minespeed Powder* is very hygroscopic and must be stored in dry, cool conditions.

## TECHNICAL PROPERTIES

<b>Appearance:</b>	White
<b>Form:</b>	Powder
<b>Bulk Density:</b>	Approx. 950 kgs/m <sup>3</sup>
<b>Dosage:</b>	From 4%-10% of cementitious materials
<b>pH Value:</b>	Approx 13.0

## 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.

**Note:** The age of the cement used, can influence the setting characteristics of the mix. We recommend using only fresh cement.

## APPLICATION

**Batch Plant Addition:-** Add *ACS Minespeed Powder* to the dry pre-mixed concrete and mix thoroughly before adding water.

The premixing can be done during batching of the concrete.

**On-Site Addition:-** When using damp sand for site-batched applications, add *ACS Minespeed Powder* to the mixture immediately prior to discharge into the shotcrete gun. Dispensing equipment is available for these applications.

## CLEANING

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

## STORAGE

When stored in original packaging, in cool dry conditions, *ACS Minespeed Powder* 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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