

# Grout Fluidifier

## DESCRIPTION

ACS Grout Fluidifier is a two component powder admixture for general purpose grouts and mortars.

ACS Grout Fluidifier reduces mixing water requirements, provides mild expansion in the plastic state and extends setting time.

## USES

ACS Grout Fluidifier can be used for:-

- Maximising cable bolt grout performance by reducing W/C ratio, increasing pot life, workability and pumpability.
- Grouts requiring pumping into areas not easily accessible.
- Lean, sanded grouts to fill voids and provide support behind non-critical structures.
- Sand/cement grouts for pre-placed aggregates.
- Cement and fly ash grouts for ground and paste fill applications, stabilisation or grouting rocks.

## FEATURES AND BENEFITS

- Retards or extends holding time and penetration time at the point of use.
- Lubricates the grout mix to reduce pumping pressures and facilitate penetration.
- Fluid expansion ensures complete filling of the space to be grouted.

## PERFORMANCE PROPERTIES

DRY PRODUCT	
<b>Form and Colour:</b>	grey powder
<b>Chloride Content:</b>	No added chlorides
<b>TEA Content:</b>	Does not contain triethanolamine
<b>Air Entrainment</b>	No increase in air entrainment when used at nominal dose rate

## PACKAGING

ACS Grout Fluidifier is available in a 5kg water soluble bag. Also available, in 10kg buckets.

## DOSAGE RATE

For general purpose grouting, add approximately one 5kg bag of ACS Grout Fluidifier per cubic metre.

For increased fluidity, a slight increase in the dose rate may be tolerated, however laboratory and field trials should be undertaken to determine optimum dosage rate.

## MIXING

To ensure the product is uniformly distributed in the mixing water, either:-

A. Introduce and premix the product with initial gauging water at high speed for approximately 1-2 minutes. Then add other components.

Or

B. Add ACS Grout Fluidifier before batching the grout. However, allow for the addition of approximately 20% of the sand to be mixed in with the product for 30-60 seconds to assist product dispersion. Then proceed with normal batching procedures.

## CLEAN UP

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

## STORAGE

Stored in original, unopened packaging, in cool dry conditions, ACS Grout Fluidifier will keep for 6 -12 months. Storing in areas of high humidity or excess moisture may affect the contents and shorten shelf-life.

## SAFETY

ACS Grout Fluidifier 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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