



# AEROCRETE cc.

Reg. No. CK 98 54010/23

Manufacturer of chemical foam cement and specialised grouts  
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## AEROCRETE FOAM CEMENT



- **RELATIVE DENSITY (WET)**  
0.200 - 0.600 depending on foam machine settings.
- **COMPRESSIVE STRENGTH**  
0.25 mpa - 1.0 mpa



### USES

- Lightweight barriers for fire walls and ventilation control.
- Boundary pillars.
- Rejuvenation or replacement of old seals.
- General cavity and void filling above closed-off arches in tunnel drives or after rockfalls (cushion support).

### ADVANTAGES

- High yield: Improves materials handling logistics and cost. Hanging walls can compress the product without destruction, while maintaining seal integrity.
- Rapid: Less man hours, typical application 60m<sup>3</sup> void filled per shift.
- Crew size: Minimum of 5 people per crew.

### PERFORMANCE CHARACTERISTICS

- **HIGH YIELD**  
Yield is variable according to the strength required e.g.: 8 bags of powder will produce one cubic meter of aerated cement at a density of 250-350 kg/m<sup>3</sup>.
- **SET STRENGTH GAIN**  
Rate of set and development will vary according to temperature, density and water: solids ratio used.
- **WATER:SOLIDS RATIO**  
0.7:1 – 1:1

### DESCRIPTION

Aerocrete is a single component, non-combustible, non toxic aerated cement supplied as a powder, it readily forms a foamed grout on mixing with water in a purpose designed applicator.

### FIRE AND SAFETY

Although non flammable and non toxic, the use of gloves and goggles is recommended due to the alkaline content present in the cement component. Aerocrete complies with the SABS 0177 requirements.

### REMOTE PLACEMENT

Aerocrete can be placed into remote areas via a 25mm hose from a distance of between 100 and 600m.

### STORAGE

Aerocrete must be stored in dry conditions as for ordinary Portland cement.