

MINING / CONSTRUCTION

Air-O-Cem

LOW DENSITY AERATED CEMENT

DESCRIPTION

Air-O-Cem is single component, non-combustible, aerated cement. Supplied as a powder, it readily forms a foamed grout on mixing with water in a purpose designed placer.

APPLICATION AND USE

Air-O-Cem can be used for general void filling and the construction of lightweight barriers and bulkheads.

Typical applications of Air-O-Cem are for void filling around closed-off sets in tunnel drives or after rockfalls. Lightweight barriers for ventilation control or barriers to prevent air flow to underground fires are also easily constructed using Air-O-Cem.

ADVANTAGES

- High volume yield improves material handling logistics and cost
- Rapid placement reduces man shifts - typically 50m³ void filled per shift
- Remote placement can take place up to 200m from machine
- When placed around sets, low density isolates sets from rock movement
- Typically, 3 people per crew
- Non-flammable, non-toxic

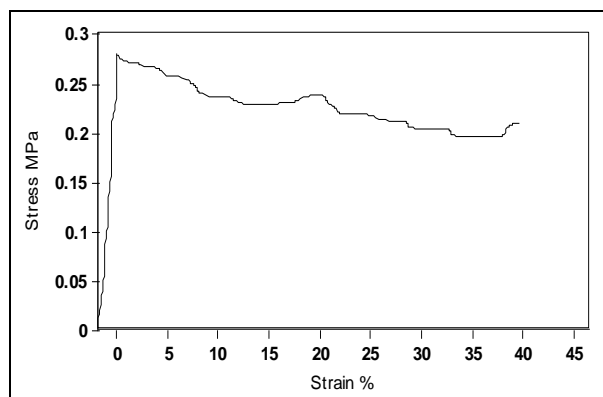


TECHNICAL DATA

SETTING PROPERTIES

Details	Properties
Set Time	Rate of set and strength development will vary according to temperature, density and water/solids ratio used.
Relative density (wet)	0.30 - 0.40 depending on foam machine settings.
Compressive strength	0.3 MPa (28 days, density = 0.37) (See Figure below)

STRESS – STRAIN GRAPH



APPLICATION METHOD

Pack Size (kgs)	Mix water (litres)	Volume yield (litres)
25	20	125
8 x 25 kg yields 1m ³		

All tools and equipment must be washed with water immediately after use.

SAFETY INSTRUCTIONS AND LIMITATIONS

Air-O-Cem is alkaline. Water-proof gloves, dust-masks and goggles should be worn. Splashes must be removed from the skin and eyes by washing with clean water. In case of splashes in the eyes, medical attention should be sought immediately. Refer to Material Safety Data Sheet.

PACKAGING AND TRANSPORTATION

Packed in 25 kg bags. Bags are stacked 40 per pallet and stretch-wrapped.

Bags may also be grouped into 1-tonne bulk bags upon request.

STORAGE AND SHELF LIFE

Air-O-Cem has a shelf life of 12 months when stored in cool, dry conditions. Avoid storage in direct sunlight to prevent degradation of the packaging.

DISPOSAL

Follow local regulations.

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ADDITIONAL DOCUMENTATION

- MSDS of Air-O-Cem

LIST OF REPRESENTATIVES

- AUSTRIA: Minova MAI GmbH
- CZECH REPUBLIC: Minova Bohemia s.r.o.
- FRANCE / BELGIUM: Sales office Minova France / Belgium
- GERMANY: Minova CarboTech GmbH
- ITALY: Minova CarboTech GmbH Italy branch
- KAZAKHSTAN: Minova Kazakhstan LLP
- POLAND: Minova Ekochem S.A.; Minova Arnall Sp. z o.o.; Minova Ksante Sp. z o.o.
- RUSSIA: ZAO "Carbo-ZAKK"
- SLOVAKIA: Minova Bohemia s. r. o., organizačná zložka
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CUSTOMER SERVICE

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