

MINING / CONSTRUCTION

Tekseal™

LOW DENSITY CEMENT FOAM

DESCRIPTION

Tekseal™ powder is supplied in 25kg lined woven polypropylene bags. It forms cement foam on mixing with water in a purpose designed placer.

APPLICATION AND USE

Tekseal™ can be used for general void filling and the construction of lightweight barriers, bulkheads and stoppings.

Typical applications of Tekseal™ are for void filling above closed-off arches in tunnel drives or after rockfalls.

Lightweight barriers for ventilation control are also easily constructed using Tekseal™.

ADVANTAGES

- High volume yield improves material handling logistics and cost
- Rapid placement - typically 50m³ void filled per shift
- Remote placement can take place up to 100m from machine
- Typically, only 3 people needed per crew
- Non-flammable, totally cement based



TECHNICAL DATA

MIX DATA

Details	Value
Relative Density (RD) Wet	0.35 - 0.50*
Water / solids ratio, w/s	0.8:1 - 1:1

* Depending on foam machine settings

COMPRESSIVE STRENGTH

Curing Age	Compressive strength
28 days	0.3 MPa

PUMP LIFE / SET TIME

Maximum pump life is approximately 15 minutes with water at 25°C. Rate of set and strength development will depend on temperature and the water / solids ratio used.

APPLICATION METHOD

Tekseal™ must only be placed using a purpose designed placer at the stipulated water: solids ratio. Tekseal™ can be placed in remote areas via a 100m plastic or rubber pipe. Large cavities can be filled using standpipes.

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

Pack Size (kgs)	Mix Water (litres)	Volume Yield (litres)
25	20	128

SAFETY INSTRUCTIONS AND LIMITATIONS

Tekseal™ is alkaline. The use of gloves and goggles is recommended. 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 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

Store Tekseal™ unopened in original bags in dry conditions. Storage outside these guidelines may impair shelf life of 12 months.

DISPOSAL

Follow local regulations.

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ADDITIONAL DOCUMENTATION

- SDS of Tekseal™

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.
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CUSTOMER SERVICE

For additional support options available at your area, contact our local offices.

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