

**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 50m<sup>3</sup> 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 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**

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

## **DISPOSAL**

Follow local regulations.

## **DISCLAIMER**

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## **ADDITIONAL DOCUMENTATION**

- MSDS of Tekseal™

## **LIST OF REPRESENTATIVES**

- AUSTRIA: Minova MAI GmbH
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- FRANCE / BELGIUM: Sales office Minova France / Belgium
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