

MINING / CONSTRUCTION

Tekseal™ HD

HIGH DENSITY CEMENT FOAM

DESCRIPTION

Tekseal™ HD is a single component cement foam. It is supplied as a powder which forms cement foam on mixing with water in a purpose designed placer.

APPLICATION AND USE

Tekseal™ HD is used for void filling where very rapid development of strength is required.

Typical applications of Tekseal™ HD are the following:

- Void-filling during reef pillar extraction.
- Construction of explosion - proof stoppings or barriers.

ADVANTAGES

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



TECHNICAL DATA

MIX DATA

Details	Value
Relative Density (RD) Wet	0.75 - 0.85*
Water / solids ratio, w/s	0.6:1 - 0.8:1

* Depending on foam machine settings

COMPRESSIVE STRENGTH

Curing Age	Compressive strength
28 days (Density = 0.75)	1.5 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™ HD must only be placed using a purpose designed placer at the stipulated water: solids ratio. Tekseal™ HD 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	15	53

SAFETY INSTRUCTIONS AND LIMITATIONS

Tekseal™ HD 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™ HD 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

- MSDS of Tekseal™ HD

LIST OF REPRESENTATIVES

- AUSTRIA: Minova MAI GmbH
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- FRANCE / BELGIUM: Sales office Minova France / Belgium
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- ITALY: Minova CarboTech GmbH Italy branch
- KAZAKHSTAN: Minova Kazakhstan LLP
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CUSTOMER SERVICE

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