

MINING / CONSTRUCTION

Tekseal™ HS & HS Fast

HIGH DENSITY CEMENT FOAM

DESCRIPTION

Tekseal™ HS and HS Fast are single component cement foams. They are supplied as powders which form cement foams on mixing with water in a purpose designed placer.

APPLICATION AND USE

Tekseal™ HS and HS Fast are used for void filling where higher cement foam strength is required.

Typical applications are the following:

- Void-filling during reef pillar extraction.
- Construction of explosion - proof stoppings.
- Construction of backfill barricades.

ADVANTAGES

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



TECHNICAL DATA

MIX DATA

Details	Value
Relative Density (RD) Wet	0.8 - 0.9*
Water / solids ratio, w/s	0.6:1

* Depending on foam machine settings

COMPRESSIVE STRENGTH

Curing Age	Compressive strength
2 days	2 MPa
28 days	6 MPa

PUMP LIFE / SET TIME

Maximum pump life for Tekseal™ HS and HS Fast are ±3 hours and 30 minutes respectively. Rate of set and strength development will depend on water temperature and surrounding temperatures, and the w/s ratio used.

APPLICATION METHOD

Tekseal™ HS and HS Fast must only be placed using a purpose designed placer at the stipulated water/solids ratio.

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

Pack Size (kgs)	Mix Water (litres)	Volume Yield (litres)
25	15	50

SAFETY INSTRUCTIONS AND LIMITATIONS

Tekseal™ HS & HS Fast are 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™ HS and HS Fast 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™ HS & HS Fast

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
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CUSTOMER SERVICE

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