

## High density cement foam

### Uses

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 50m<sup>3</sup> void filled per shift.
- Remote placement can take place up to 100m from machine.
- Typically 3 people per crew.
- Non-flammable, non-toxic, cement based.

### Description

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

### Properties

**Water/solids ratio, w/s:** 0.6:1 - 0.8:1

**Pump life/set time:** Maximum pump life is ± 15 minutes, rate of set and strength development will depend on temperature and w/s used.

**Relative density (wet):** 0.75 - 0.85 depending on foam machine settings.

**Compressive strength:** 1.5 MPa (28 days, density = 0.75)

### Application Instructions

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.

### Cleaning

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

### Estimating

Pack Size (kg)	Mix Water (litres)	Volume Yield (litres)
25	15	53

### Storage/Shelf Life

Tekseal HD has a shelf life of 12 months when stored in cool, dry conditions, avoid storage in direct sunlight to prevent degradation of packaging.

### Precautions

#### Health and Safety

Tekseal HD 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.

### Technical Support

Minova RSA provides a technical advisory service by a team of specialists in the field. The service includes on site assistance and advice on evaluation trials and laboratory work.

### Additional information

Minova RSA is a market leader specialising in the supply of high performance chemical products for the mining and tunnelling industries.

Minova RSA range of mining products includes anchoring and backfill systems, bagged cement products, high yield grouts, mine sealants, equipment and accessories.

### **Important note**

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