

High strength cement foam

Uses

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

Typical applications of Tekseal HS 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 50m³ 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 HS 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 typically

Pump life/set time: Maximum pump life for Tekseal HS and HS Fast is ±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.

Relative density : 0.8 - 0.9 depending on foam machine settings.

Compressive strength:

2 days : 2 MPa
28 days : 6 MPa

Application Instructions

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

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	50

Storage/Shelf Life

Tekseal HS and HS Fast have 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 HS and HS Fast are 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

Minova RSA products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Minova RSA endeavours to ensure that any advice, recommendation, specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.

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