

Uses

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 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, totally cement based.

Description

Tekseal powder is supplied in 25kg lined woven polypropylene bags. It forms a cement foam on mixing with water in a purpose designed placer.

Properties

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

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.

Relative density (wet): 0.35 - 0.50 depending on foam machine settings.

Compressive strength: 0.6 MPa (28 days, density = 0.42)

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.

Estimating

Tekseal

Pack Size (kgs)	Mix Water (litres)	Volume Yield (litres)
25	20	128

Cleaning

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

Storage conditions / Shelf life

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

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.

Precautions

Health and Safety

Tekseal 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.

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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Reg. No. 2001/027226/07, ISO 9001:2000
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