

High yield pack stressing grout

Uses

A single component product for monolithic packing and pre-stressing of timber packs and timber props.

Advantages

- Single component system allows the use of simple placing equipment.
- High yield improves cost effectiveness and minimises transport requirements.
- Grout is quickly self-supporting due to fast set.
- Cement based, non-flammable and non-toxic.

Description

Tekset is a rapid hardening, single component packing medium used primarily for timber pack pre-stressing. Tekset is used at a water : powder ratio of up to 2.5:1 by mass, the contents of the standard 11kg bag being mixed with 28 litres of water to yield 39kgs of grout (31.2 litres). This gives water : powder ratio of 2.54:1 by mass respectively.

Properties

Compressive strength (UCS Typical)

	MPa
2 hours:	0.30
24 hours:	2.00
7 days:	3.00
w/p, 25°C	2.5:1

Application Instructions

Tekset slurry can be prepared in a standard batch, continuous, or placer type mixer. With a pumping life of 15 minutes at 25°C, the maximum pumping distance recommended is 15 metres. This will be extended at lower temperatures and shortened at higher temperatures.

Cleaning

Equipment and hose pipes should be flushed with water immediately after the pumping operation stops.

Estimating

Pack Size (kgs)	Mix Water (litres)	Water-powder ratio	Grout Yield (kgs)	Grout Yield (Litres)
11	28	2.54	39	31

Storage/Shelf life

Tekset has a shelf life of 12 months if kept in a cool store in unopened bags.

Storage conditions

Do not store Tekset in the open as ultra violet radiation will damage the packaging, allowing moisture penetration which will drastically reduce shelf life and cause premature hardening of the grout.

Precautions

Health and Safety

As Tekset is alkaline, the wearing of gloves and goggles is recommended. Wash any splashes to the eyes with plenty of clean water and seek medical advice 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.

The Minova RSA range of mining products includes backfill systems, bagged cement products, high yield grouts, mine coatings, equipment and accessories for which a product brochure is available on request.

Important note

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