

# CEMENTITIOUS GROUTS



## Tekset®

### *Grout Alternative to Blocking and Wedging Specialized Cribs and Posts Against the Mine Roof*

#### Uses

Tekset® grout is a cementitious fill that is pumped inside a specially made bag, available through Minova, and designed to conform to roof irregularities at the top of cribs or atop specially manufactured post systems.

#### Advantages

- **Full Contact** – Conformity to roof irregularities allows for a uniformly distributed load, shown to improve performance by up to 100%
- **Minimal Labor** – Eliminates the tedious job of installing cap boards and wedges
- **High Yield** – One 50 lb bag yields roughly 2¼ ft<sup>3</sup>
- **Easy Clean-Up** – All equipment can be cleaned with ordinary water

#### Description

Tekset® mix is a single-component, cementitious grout designed as a fill for a bag placed between the top of a crib and the mine roof, or atop a specially designed post system. Depending on the water temperature, the material will set in approximately 10 to 15 minutes. The tedious routine of blocking and wedging supplemental roof support is replaced by a simpler, faster and more efficient means.

Consult your local Minova representative for additional application information.

#### Packaging

Tekset® grout is packaged in 50 lb, 3-ply bags with 1 polyethylene layer, 48 bags per stretchwrapped pallet.

#### Instructions for Use

Workers should take precautions for handling cements including eye protection, gloves and a dust mask.

1. Erect the supplementary roof support.
2. Lay the bag on top of the support so that the fill valve is easily accessible.
3. Before pumping any grout material or connecting the discharge line to a bag, flush all lines with water to assure there are no blockages.
4. Mix the Tekset® material thoroughly and begin pumping the grout through the lines, setting the mix ratio to 15 gallons of water to 1 bag of Tekset® material. Insert the hose end into the bag after the grout material has begun to discharge. Fill the bag until contact between the top of the support and the roof has been assured.
5. Discontinue pumping only long enough to disconnect the discharge line and insert it into the next unit to be filled. Fill the bag as above and repeat the procedure until all units have been completed.
6. When pumping is finished for the shift, thoroughly clean the pumping unit and all discharge lines using water.

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### Grout Pumping Equipment

Several pumps are available, depending on the desired output and available power source. The typical unit, however, is small, hand powered and has a capability of roughly 6 gpm at 15 psi.

### Shelf Life

Store in cool, dry conditions. The 10 to 15 minute set time tends to lengthen if the material is used after four months.

## Minova Americas Products

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### Important Note: Warranty

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