

MINING

Capcem™ PS1 and PS2

HIGH YIELD PACK STRESSING GROUTS

DESCRIPTION

Capcem™ PS Pre-stressing grouts are rapid hardening, single component cements used primarily for timber pack pre-stressing. Mixed with the correct quantity of water as tabulated, the grout has a pumping life of 20 minutes minimum at 25°C and are designed to gel within a few minutes after placement.

APPLICATION AND USE

Capcem™ PS is a single component grout 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 volume yield improves cost effectiveness and minimises transport requirements.
- Cement based - non-flammable and non-toxic.
- Rapid setting – allows blast to be taken in the same shift



TECHNICAL DATA

COMPRESSIVE STRENGTH (TYPICAL)

Compressive strength (UCS, MPa)			
Time	Industry Standard	Capcem™ PS2	Capcem™ PS1
2 hours	0.25	0.50	0.90
24 hours	0.90	1.30	2.00
7 days	3.00	3.80	3.80

BLEED WATER

The grouts are formulated to have <1% bleed water after 30 minutes.

APPLICATION METHOD

Mix the grout and water in the correct quantities in a suitable mixer such as our MK 1 pneumatic pump, and pump within 20 minutes of mixing. The grout should be used with our non-weeping pre-stressing bags.

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

SAFETY INSTRUCTIONS AND LIMITATIONS

As both products are 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.

PACKAGING AND TRANSPORTATION

Product	Pack Size (kgs)	Mix Water (litres)	Water-powder ratio	Grout Yield (Litres)
Capcem™ PS1	13	27	2.07:1	30
Capcem™ PS2	11	27	2.45:1	30

STORAGE AND SHELF LIFE

Capcem™ PS1 and PS2 grouts have a shelf life of 12 months if kept in a cool store in unopened bags.

Do not store Capcem™ PS1 or PS2 in the open as ultra violet radiation will damage the packaging, allowing moisture penetration which will reduce shelf life and cause premature hardening of the grout.

DISPOSAL

Follow local regulations.

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