

MINOVA

# CAPCEM™

PUMPABLE CEMENT GROUTS



## DESCRIPTION

Capcem™ PLG-F, PLG-FSL and B5 Grouts are single component cementitious powders that are mixed with water. They are supplied in 10kg or 25 kg lined, woven polypropylene bags. The mixed grout is intended for placement through a suitable grout pump.

## APPLICATION AND USES

Capcem™ PLG-F, PLG-FSL and B5 are pumpable grouts for use in the installation of mechanical long-anchors.

## ADVANTAGES

- > Cement based: no resins or solvents
- > Pump life of minimum 2 hours, mixing water at 25°C
- > Pumpable up to 15 metres
- > No shrinkage or bleed water
- > No grout run-out
- > High pH inhibits corrosion

## TECHNICAL PROPERTIES

### Setting Properties

DETAILS	VALUE	UNIT
Relative Density (RD)	1.900	-
Port Life (25°C)	≥ 2.0	Hours

### Compressive Strength (Typical)

CURING AGE	STRENGTH
24 hours	≥ 5.0 MPa
48 hours	10.0 MPa
7 days	15.0 MPa
28 days	32.0 MPa

### Pull Strength Of 200mm Bond Length X 16mm Rebar

CURING AGE	PULL STRENGTH
24 hours	≥ 1.8 tons
48 hours	≥ 3.5 tons
7 days	≥ 5.0 tons

## APPLICATION METHOD

Add Capcem™ PLG-F, PLG-FSL or B5 powder to water in the ratio of 10 kg bag of powder to 4.0 litres of water or prorata in a suitable mixing / pumping vessel and mix thoroughly for 3 minutes. Water temperature should be between 20°C and 30°C preferably.

The grout is then pumped into the drilled hole before or after installation of the anchor to give full column filling. Use the delivery line to fill from the back of the drilled hole forwards or use an air-release bleed line system if filling from the front of the hole.

PACK SIZES (kgs)	MIX WATER (litres)	YIELD (litres)
25	10	18.40
10	4	7.3

## SAFETY INSTRUCTIONS AND LIMITATIONS

Capcem™ PLG-F, PLG-FSL and B5 are non-toxic but are alkaline in nature; gloves and eye protection should be worn. Splashes of grout to the skin or eyes should be washed off with clean water. In the event of prolonged irritation seek medical advice. Refer to Material Safety Data Sheet.

## PACKAGING AND TRANSPORTATION

Packaged in 25 kg bags or 10 kg bags, on pallets. Each pallet is shrink-wrapped to protect the product against damage.

## STORAGE CONDITIONS AND SHELF LIFE

Capcem™ PLG-F, PLG-FSL and B5 have a shelf life of 12 months when stored unopened in dry conditions and out of direct sunlight to prevent degradation of packaging.

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## DISPOSAL

Follow local regulations.

## TECHNICAL SUPPORT

We provide 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.

## MANUFACTURER

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