

**MINING / CONSTRUCTION**

# Capcem™ B5 Pumpable Grout

## PUMPABLE CEMENTITIOUS GROUT

### DESCRIPTION

Capcem™ B5 is a single component cementitious powder that is mixed with water. It is supplied in a 25 kg or 10 kg lined woven polypropylene bag. The mixed grout is intended for placement through a suitable grout pump.

### APPLICATION AND USE

Capcem™ B5 is a pumpable grout for use in the installation of mechanical long-anchors.

### ADVANTAGES

- Cement based: no resins or solvents
- Pump life of minimum of 3 hours, mixing with water at 25°C
- Pumpable up to 15 m
- No shrinkage or bleed water
- No grout run-out
- High pH inhibits corrosion



### TECHNICAL DATA

#### SETTING PROPERTIES

Parameter	Value	Unit
Relative Density	1.90	-
Initial Set at 25°C	4 to 5	hours
Final Set at 25°C	5 to 6	hours

#### COMPRESSIVE STRENGTH (TYPICAL)

Curing Age	Value	Unit
24 hours	8.0	MPa
48 hours	10.0	MPa
7 days	15.0	MPa
28 days	32.0	MPa

**PULL STRENGTH**

For 200 mm bond length of 16 mm Rebar:

Curing Age	Value	Unit
24 hours	1.8	tons (minimum)
48 hours	3.5	tons (minimum)
7 days	5.0	tons (minimum)

**APPLICATION METHOD**

One bag of Capcem™ B5 is added to recommended amount of water (or *pro rata*, if more than one bag is used) in a suitable mixing / pumping vessel and mixed thoroughly for 3 minutes.

Pack Size (kg)	Mix Water (litre)	Yield (litre)
25	10	18.40
10	4	7.30

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.

**SAFETY INSTRUCTIONS AND LIMITATIONS**

Capcem™ B5 is non-toxic but is 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, 40 bags per pallet OR 10 kg bags, 100 bags per pallet. Each pallet is shrink-wrapped to protect the product against damage

**STORAGE AND SHELF LIFE**

Capcem™ B5 has a shelf life of 12 months when stored unopened in dry conditions and out of direct sunlight to prevent degradation of packaging.

**DISPOSAL**

Follow local regulations.

**DISCLAIMER**

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