

**MINING**

# Capcem™ Sindele Plus 35

## CEMENTITIOUS PUMPABLE ANCHORING GROUT

### DESCRIPTION

Capcem™ Sindele Plus 35 grout is a ready to use dry cementitious powder encapsulated in water permeable skins, 3, 4 or 6 capsules per bag, or in 8kg bags.

When required for use, the capsules are soaked in water, which is absorbed through the skin, to form a thixotropic non-shrink grout which has a fast strength gain. The grout capsules should only be used with a purpose-made Capcem™ Grout Pump.



### APPLICATION AND USE

For easy grouting of rock anchors, particularly of overhead roof bolts as encountered in mining and tunnelling applications, where rapid strength development is required, and where rock temperature is typically 35°C or higher.

### ADVANTAGES

- Fast Strength Development - fast grout strength gain ensures rapid development of anchor pull-out strength
- Encapsulated
  - Controlled water: powder ratio
  - Eliminates mixing equipment
  - Minimal wastage of grout
  - Non-shrink
- Expansion agents counteract shrinkage and ensure effective contact between bar and grout
- Chloride free - Rapid strength development without the use of chlorides ensures absence of corrosion
- Thixotropic - No loss of grout even from overhead holes, due to the thixotropic nature of the grout

### TECHNICAL DATA

#### GROUT PERFORMANCE AT 35°C (TYPICAL)

Details	Value
Pump Life (minutes, minimum)	≥15
Grout Set Time (minutes)	≥35

**PULL STRENGTH ON 250MM BOND, 35°C**

Details	Value
2 Hours (tonnes)	2.5
4 Hours (tonnes)	5.0
6 Hours (tonnes)	7.0

\* 16mm deformed rebar.

**APPLICATION METHOD**

The required number of Capcem™ Sindele Plus 35 grout capsules are removed from their packaging and soaked in clean water for a minimum of 5 minutes then removed from the water and the grout emptied into the Capcem™ Pump.

For optimum results it is recommended that the capsule be used immediately after soaking. For full application instructions, refer to the data sheet of the specified Capcem™ Pump.

**SAFETY INSTRUCTIONS AND LIMITATIONS**

Capcem™ Sindele Plus 35 grout is non-toxic, but like all cements, is alkaline in nature. The use of gloves and goggles is recommended. Splashes should be removed from skin and eyes by washing with plenty of clean water.

It must be noted that rock temperatures will influence rate of set and strength gain; the higher the temperature within the recommended rock temperature range, the faster the set and more rapid the strength gain.

**PACKAGING AND TRANSPORTATION**

Capcem™ Sindele Plus 35 grout capsules are supplied in woven polypropylene carrying bags with an inner polythene liner.

The capsule sizes are as follows:

Capsule Diameter (mm)	Number per bag	Minimum grout volume yield per capsule litres	Minimum grout volume yield per bag litres
65 x 450 mm	3	1.2 lt	3.6 lt
65 x 450 mm	4	1.2 lt	4.8 lt
65 x 450 mm	6	1.2 lt	7.2 lt

**STORAGE AND SHELF LIFE**

Capcem™ Sindele Plus 35 grout capsules have a shelf life of 12 months when stored in cool, dry conditions in the original packaging.

**DISPOSAL**

Follow local regulations.

**DISCLAIMER**

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