

MINING

Capcem™ K40P

ANCHORING GROUT

DESCRIPTION

Capcem™ K40P Grout is a two-part pumpable cement grout for anchoring of rock bolts in rock that decomposes in contact with water. It is supplied in a box, containing two bags of powder (11.5kg each) and 4 litres of K40P liquid.

The powder and liquid are mixed together using a power-driven mixer/pump to yield a pumpable thixotropic grout. A minimum of 3 boxes per mix should be used. Part packs must not be used.



APPLICATION AND USE

For easy grouting of rock anchors, particularly in rock that decomposes when it absorbs the water from conventional cement grouts. The main use is in kimberlites.

ADVANTAGES

- Pre-packed kits - ensures correct quantities of liquid and powder are used
- Chloride-free - does not promote corrosion
- Thixotropic - minimum loss of grout from overhead holes
- Low liquid: cement ratio - ensures high early strength
- No free water – does not cause deterioration of water-sensitive rock

TECHNICAL DATA

GROUT PERFORMANCE

Details	Value
Pump Life (minutes)	≈ 45
Initial Set Time (minutes) at 25 °C	≈ 55
Strength build* (hours)	4
Grout yield (litres/box)	13.3

* Time to achieve 2 tons/200 mm bond, 16 mm deformed bar, 25°C.

APPLICATION METHOD

Capcem™ K40P Grout should only be used with the purpose made powered Grout Mixer/Pump.

Remove the required number of Capcem™ K40P Grout Kits from their packaging. Load liquid component first and then load powder while mixer is mixing. Mix until uniform grout consistency is achieved. For optimum results it is recommended that the grout be used immediately.

SAFETY INSTRUCTIONS AND LIMITATIONS

Capcem™ K40P 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. In the case of splashes in the eyes, medical attention should be sought immediately, see Material Safety Data Sheet.

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

PACKAGING AND TRANSPORTATION

1 Box Contains	
Powder	2 x 11.5 kg
Liquid	1 x 4 litres

STORAGE AND SHELF LIFE

Capcem™ K40P Grout has a shelf life of 12 months when stored in cool, dry conditions in the original packaging.

DISPOSAL

Follow local regulations.

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