

# CEMENTITIOUS GROUTS



## Celroc P

### *Pumpable, Thixotropic Non-Shrink Grout with Controlled Expansion*

#### Uses

Celroc P is designed for anchoring and void filling applications. The product is also ideal for anchoring and grouting rock and soil anchorages in deep holes in open foundations, dams and underground rock structures.

Celroc P is used to grout and rapidly consolidate highly fractured rock strata which would otherwise prevent the drilling of anchor bolt holes, or where water infiltration threatens foundation stability. The product can also be pumped overhead without grout loss by adjusting the water/cement ratio.

Celroc P is ideal for stand-pipe installation and grouting steel in casings where speed and performance are essential. It may be tremied when underwater placement is required.

#### Advantages

- Minimum dilution in moving water
- Rapid setting - sets in 75 minutes
- High Strength - thixotropic
- 5000 psi (34.5 MPa) in compression after 24 hours
- Non-shrink - controlled expansion
- No corrosive or gas-forming expansion additives

#### Description

Celroc P is a non-shrink, non-metallic grout consisting of rapid hardening hydraulic cements and a super plasticizer, designed to produce a pumpable grout at low water/cement ratios. Minimal dilution in moving water is a unique feature.

Celroc P sets without water bleed, and controlled expansion ensures a perfect bond to all surfaces, including concrete, rock and steel.

#### Chemical Resistance

Celroc P grout is highly sulfate-resistant and tolerates aggressive ground water conditions.

#### Physical Properties

Typical values for Celroc P:

COMPRESSIVE STRENGTH: ASTM C-109 AT 73°F AT (24°C). WATER/Celroc P = 0.30.

75 Minutes	Initial Set
4 ½ hours	1,500 psi (10.3 MPa)
24 hours	5,000 psi (34.5 MPa)
48 hours	7,000 psi (48.3 MPa)

*Variations in grout temperature affect set times.*

#### Shelf Life

Unused quantities may be resealed and stored for up to six months. Material deteriorates in presence of moisture.

#### Packaging

A standard unit of Celroc P contains 50 lbs (22.5 Kg) in each bag.

#### Yield

Unit yield is 0.5 cubic feet when mixed at the standard water/powder ratio (.30).

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## Mixing

Place 1-1/2 gallons (5.67 liters) of water in mixer. Start agitator and add 50 lbs (22.5 Kg) of Celroc P from the bag, stirring throughout. Dispersion is fast, and no lumping should occur. Pour or pump the grout immediately after preparation.

Thoroughly flush all lines with water upon completion of grouting. Adjusting water/cement ratios from .27 to .35 provides for a cement from a gel to a pourable (batter) consistency.

## Cleaning

Purge all equipment lines, pumps and tanks of Portland Cement mixes with clean water prior to batching and placing Celroc P. Use water to clean material from skin and clothing.

## Caution

For industrial use only. In case of skin contact, flush with plenty of water. Eye protection should be worn. **REFER TO MSDS BEFORE USE.**

## Minova Americas Products

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## Important Note: Warranty

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