



Technical Data Sheet

ADMIX 500PCE

Non-shrinking polycarboxylate ether copolymer powder admixture

Description

Admix 500PCE is a new generation non-shrinking polycarboxylate ether copolymer powder admixture that is blended with selective additives and polymers to produce high flow with ultimate strength grouts and mortars.

Admix 500PCE reduces the water permeability due to the combination of electrostatic force and steric stretching effect imparts low water demand and high flowing ability to grouts and mortars.

Applications

- General purposes grouts and mortars
- Post tension cables.
- Pre-stressed structural elements.
- Bed plate grouting.
- Duct grouting.
- Non-shrink infilling grouts.

Advantages

- Produce a non-shrink grout which is compensated for shrinkage and settlement in the plastic stage.
- Produce an extremely low permeability grout at low water to cement ratio.
- Improves fluidity at lower water cement ratio
- Reduce bleeding in high flow grout.
- High bond to steel.
- Improvement of early and final strength of cement-based system.
- Chloride free.
- Compatible with all types of Cement and aggregates

Technical properties

Color:	White powder
Expansion Characteristics: to ASTM C827-87	0 – 3 %
Fresh Wet Density:	Approx. 2.0- 2.2 g/cm³

Method of use

Proposed mix

Admix 500PCE	OPC	Sand	Water	yield
0.150 kg	50kg	50kg	20±2	60 ltr
0.100 kg	50Kg	-	20±2	40 ltr

Mixing

- To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used.
- High shear vane mixer is required when mixing large quantities.
- The required water content should be accurately measured and added into the mixer.
- Slowly add the cement and **Admix 500PCE**.
- Mix for 5 minutes or until smooth even consistency is achieved.

Application

Placing and Finishing

- Enough materials should be available to achieve continuous fill and to complete the work.
- Pouring of the mixed grout should be started from one side only to avoid air entrapment.
- Areas to be grouted should be clean, sound and must be pre-wetted with clean water.
- The mixed grout should be placed within 30 minutes of mixing to gain the full benefit of the expansion process.
- Care should be taken to keep the unrestrained surface areas of the grout to a minimum.

Curing

Only exposed areas should be properly cured with water or with Ecocure AC.

Storage

Admix 500PCE has a shelf life of 12 months if stored at temperatures between 5°C and 35°C in original unopened bags.

Disclaimer:

We hope that the information herein will be helpful. The data is based upon knowledge considered to be accurate and true and is offered for the user consideration, investigation and verification in the application intended. We do not warrant the results or performance attained due to the nature of the influence of other constituent components in the application.



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Cleaning

All tools should be cleaned immediately after application using fresh water. Hardened materials should be cleaned mechanically.

Dosage

Dosage between 1 – 3% by weight of cementitious material.

Trials required to confirm the proper dosage.

Packaging

Admix 500PCE is available in 25kg bags.

Cautions

Health and safety

Admix 500PCE is of low hazard and may cause irritation to skin or eyes.

In case of accidental contact with skin or eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

Fire

Admix 500PCE is non-flammable.



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