



PC 300

Mid Range Superplasticizer
based on Poly-carboxylate ether

Description

PC 300 is a mid range superplasticizer based on polycarboxylate technology, specifically developed as an effective dispersant, fluidifier and high range water reducing agent for concrete.

PC 300 it has been designed for the production of a wide range of concrete mixes from conventional to self-compacting concrete and formulated to impart improved workability to the concrete and to achieve high early and ultimate compressive strength.

Advantages

- Produce concrete with high levels of workability without segregation.
- Provides significantly higher strengths and normal set time.
- Has excellent concrete rheology and handling properties
- Excellent flowability in self compacting concrete.
- Increased water reduction and superior flow characteristics.
- Increased productivity, resulting in reduced labor costs.

Uses

PC 300 was designed to produce super high strength concrete, flowable and self compacting concrete in a variety of applications.

- Conventional concrete production
- Pre-cast industry
- Self compacting concrete
- Pumped concrete
- High performance concrete
- Concrete requiring long workability retention

Properties

Appearance	: Light yellow coloured liquid
Specific gravity	: 1.08 ± 0.02 @ 25 °C
pH	: 6.0 ± 1.0

Standards

PC 300 complies with ASTM C 494 Type F and G

Dosage

Dosage rates vary depending upon the amount of plasticity and/or water reduction desired. Recommended dosage range from 0.8 To 1.5 litres per 100 kg of total cementitious material. Other dosages may be recommended in special cases according to the specific site conditions. It is highly recommended that trial mixes be prepared to determine the optimum dosage for your specific performance requirements.

Mixing

PC 300 is a ready to use liquid admixture to be added to the concrete as a separate component. **PC 300** is poured into the concrete mix right after the addition of at least 80% of mixing water, when all materials are wetted. Avoid adding the admixture to the dry aggregates.

Compatibility

PC 300 is not compatible with naphthalene based admixtures.

Storage

Up to 1 year in unopened original packing, protected from extremes of heat and cold and stored under shade.

Precautions

PC 300 is not a fire or health hazard. Spillages should be washed down immediately with cold water. For further information refer to the Material Safety Data Sheet.



P.O. Box no 282 676 Dubai-UAE
 Tel: +971 4 885 0 886
 Fax: +971 4 885 0 887
 Visit us: www.pactechnologies.ae



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