



PC 400

High Range Superplasticizing Admixtures
Based on Poly-carboxylate ether

Description

PC 400 is a new generation superplasticizer based on polycarboxylate technology. It is designed to provide the highest performance of water reduction, while providing excellent flowability during placement and extreme slump retention without affecting initial setting time.

PC 400 it has been designed for the production of a wide range of concrete mixes from conventional to self-consolidating concrete and formulated to impart improved workability to the concrete and to achieve high early and ultimate compressive strength.

Advantages

- Increased early strength development.
- Ultimate strength and durability is increased through reduced permeability.
- Improves frost and carbonation resistance of the concrete
- Has excellent concrete rheology and handling properties
- Produce concrete with high levels of workability without segregation.
- Lower drying shrinkage.
- Increased productivity, resulting in reduced labor costs.

Uses

PC 400 was designed to produce super high strength concrete and flowable concrete in a variety of applications.

- Ready-mix Concrete
- Pre-cast industry
- Conventional concrete production
- Pumped concrete
- High performance concrete
- Concrete requiring long workability retention

Properties

Appearance	: Light yellow coloured liquid
Specific gravity	: 1.10 ± 0.02 @ 25 °C
pH	: 6.0 ± 1.0

Standards

PC 400 complies with ASTM C 494 Type 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 400 is a ready to use liquid admixture to be added to the concrete as a separate component. **PC 400** 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 400 is not compatible with PACTOFLO Superplasticizer

Storage

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

Precautions

PC 400 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.



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