



Dr.Hiper 300

Mid-Range Super-Plasticizing Admixture Based on Polycarboxylate Ether

Description

Dr.Hiper 300 is a mid-range superplasticizer based on polycarboxylate technology, specifically developed as an effective dispersant, fluidified and high range water reducing agent for concrete. **Dr.Hiper 300** 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.

Uses

Dr.Hiper 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

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 flow-ability in self compacting concrete.
- Increased water reduction and superior flow characteristics.
- Increased productivity, resulting in reduced labor costs.

Properties

Appearance: Light yellow colored liquid

Specific gravity: 1.065 + 0.02 @ 25 °C

pH: 4.5 ± .0.3

Standards

Dr.Hiper 300 complies with ASTM C 494 Type F & G
Water soluble chloride: nil according to BS EN 934-2

Dosage

Dosage rates vary depending upon the amount of plasticity and/or water reduction desired.

Recommended dosage range from 0.7 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

Dr.Hiper 300 is a ready to use liquid admixture to be added to the concrete as a separate component. **Dr.Hiper 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. Laboratory trials should be made with normal concrete mix design, adopting the same materials and conditions to be implemented.

Compatibility

Dr.Hiper 300 is compatible with standard **Dr.Hiper** concrete admixtures and it should not be mixed together with other admixtures prior to addition .it is preferred to be added with the mixing water .

Dr.Hiper 300 is not compatible with PNS based Superplasticizer.

Storage

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

Precautions

Dr.Hiper 300 is not a fire or health hazard. Spillages should be washed down immediately with cold water.

