

Hyperplast PC900

New generation hyperplasticising admixture for extended slump retention



Description

Hyperplast PC900 is a new generation hyperplasticiser for concrete, based on polycarboxylic polymers with long chains specially designed to produce concrete with extensive workability.

This effect can be used to produce low viscosity concrete for mid-to-high scale projects or when pumping concrete over long distances is required.

Applications

- ▲ Under water micro concrete repair and grouting.
- ▲ For high levels of concrete pumping.
- ▲ Suitable for long distances with extended slump retention.
- ▲ Low viscosity concrete with Enhanced compressive strength.
- ▲ Structures with congested reinforcement.
- ▲ Pre-stressed concrete.
- ▲ Improved cohesion allows for use in mass concrete pours and piling.
- ▲ Producing concrete capable of maintaining its flow for 3 hours.

Compatibility

Hyperplast PC900 can be used with all types of Portland cement and cement replacement materials. Hyperplast PC900 is compatible with other DCP admixtures used in the same concrete mix.

If more than one type of admixture will be used in the concrete mix, they must be dispensed to the concrete separately.

Standards

Hyperplast PC900 complies with ASTM C494, Type G

Method of Use

Hyperplast PC900 should be added to the concrete with the mixing water to achieve optimum performance.

An automatic dispenser should be used to dispense the correct quantity of Hyperplast PC900 to the concrete mix.

Technical Properties @ 27°C:

Colour:	Light yellow
Specific gravity:	1.12 ± 0.02
pH:	5 - 7

Dosage

The recommended dosage of Hyperplast PC900 is 0.5 - 3.5 litre per 100 kg of cementitious materials in the mix, including GGBFS, PFA or microsilica.

Representative trials should be conducted to determine the optimum dosage of Hyperplast PC900 to meet the performance requirements by using the materials and conditions in actual use.

Effects of Over Dosage

Overdosage of Hyperplast PC900 will cause the following:

- ▲ Increase in workability.

Ultimate concrete strength will not be adversely affected and will generally be increased provided that proper concrete curing is maintained.

Cleaning

Clean Hyperplast PC900 with fresh cold water.

Packaging

Hyperplast PC900 is available in 25 litre jerrycan, 210 litre drums and 1000 litre bulk supply.

Storage

Hyperplast PC900 has a shelf life of 12 months from date of manufacture if stored at temperatures between 2°C and 50°C.

If these conditions are exceeded, contact DCP Technical Department for advice.

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Cautions

Health and Safety

Hyperplast PC900 is not classified as a hazardous material. Hyperplast PC900 should not come into contact with skin and eyes.

In case of contact with eyes, immediately flush with plenty of water and seek medical attention.

For further information, refer to the Material Safety Data Sheet.

Fire

Hyperplast PC900 is nonflammable.

More from Don Construction Products

A wide range of construction chemical products are manufactured by DCP which include:

- ▲ Concrete admixtures.
- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
- ▲ Protective coatings.
- ▲ Sealants.
- ▲ Waterproofing.
- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.

Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

