

Hyperplast PC800M

New generation hyperplasticising admixture for extended slump retention and low sensitivity to bleeding



Description

Hyperplast PC800M 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.
- ▲ For producing concrete with low sensitivity to bleeding.

Compatibility

Hyperplast PC800M is suitable to use with all types of Portland cement and cement replacement materials. Hyperplast PC800M 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 PC800M complies with ASTM C494, Type G.

Method of Use

Hyperplast PC800M 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 PC800M to the concrete mix.

Technical Properties @ 27°C:

| | |
|-------------------|--------------|
| Colour: | Light yellow |
| Specific gravity: | 1.07 ± 0.02 |
| pH: | 5 - 7 |

Dosage

The recommended dosage of Hyperplast PC800M 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 PC800M to meet the performance requirements by using the materials and conditions in actual use.

Effects of Over Dosage

Overdosage of Hyperplast PC800M 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 PC800M with fresh cold water.

Packaging

Hyperplast PC800M is available in 25 litre jerrycan, 210 litre drums and 1000 litre bulk supply.

Storage

Hyperplast PC800M 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 PC800M is not classified as a hazardous material. Hyperplast PC800M 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 PC800M 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.

