

# Hyperplast PC245L

New generation hyperplasticising admixture for extended slump retention



## Description

Hyperplast PC245L 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 PC245L is suitable to use with all types of Portland cement and cement replacement materials. Hyperplast PC245L 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 PC245L complies with ASTM C494, Type F and G, depending on used dosage.

## Method of Use

Hyperplast PC245L 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 PC245L to the concrete mix.

## Technical Properties @ 27°C:

Colour:	Light yellow
Specific gravity:	1.04 ± 0.02
pH:	5 - 7

## Dosage

The recommended dosage of Hyperplast PC245L 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 PC245L to meet the performance requirements by using the materials and conditions in actual use.

## Effects of Over Dosage

Overdosage of Hyperplast PC245L 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 PC245L with fresh cold water.

## Packaging

Hyperplast PC245L is available in 25 litre jerrycan, 210 litre drums and 1000 litre bulk supply.

## Storage

Hyperplast PC245L 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.

**Ayla for Building Materials Industry & Trade**

Mosel Road, Erbil  
Oweirj Industrial, Baghdad

[info.iraq@dcp-int.com](mailto:info.iraq@dcp-int.com)

# Hyperplast PC245L

## Cautions

### Health and Safety

Hyperplast PC245L is not classified as a hazardous material. Hyperplast PC245L 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 PC245L 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.

### Ayla for Building Materials Industry & Trade

Mosel Road, Erbil  
Oweirj Industrial, Baghdad

[info.iraq@dcp-int.com](mailto:info.iraq@dcp-int.com)

#### Note:

We endeavor to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. However, due to the fact that we have no direct or continuous control over where or how the products are applied, DCP cannot accept any liability either directly or indirectly arising from the use of DCP products, whether or not in accordance with any advice, specification, recommendation or information given by us.



[www.dcp-int.com](http://www.dcp-int.com)