

# Hyperplast ES500W

Premium quality plasticising admixture for concrete masonry products



## Description

Hyperplast ES500W is a chloride free, premium quality high range water reducing admixture based on polycarboxylic polymers with selective additives which are especially formulated for factory-line concrete production such as concrete blocks and bricks.

Hyperplast ES500W can significantly assist in the production of a more uniform and consistent quality mixes in factory-line concrete products, it can be also used for light weight concrete production.

## Applications

Hyperplast ES500W can be successfully used in the following applications:

- ▲ Concrete blocks and bricks.
- ▲ Dry cast concrete.
- ▲ Concrete roofing tiles.
- ▲ Concrete pipes.

## Advantages

- ▲ Improves the cohesion of the concrete mix.
- ▲ Extends the moulds life.
- ▲ Improves compressive strength.
- ▲ Reduces water absorption.

## Compatibility

Hyperplast ES500W is suitable for use with all types of Portland cement and cement replacement materials. Hyperplast ES500W should not be used in conjunction with other admixtures unless DCP's Technical Department approval is obtained.

## Standards

Hyperplast ES500W complies with the requirements of Standard Specification for Chemical Admixtures for Concrete ASTM C494 as Type A & F depending on dosage used.

### Technical Properties @ 21°C:

Colour:	Light yellow liquid
Freezing point:	≈ -5°C
Specific gravity:	1.05 ± 0.02
pH:	6 - 7
Chloride content:	Chloride free

## Method of Use

Hyperplast ES500W 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 ES500W to the concrete mix.

## Dosage

The recommended dosage of Hyperplast ES500W is 500 - 2500 ml per 100 kg of cement or cementitious materials in the mix including GGBFS, PFA or micro-silica.

Representative trials should be first conducted to determine the optimum dosage of Hyperplast ES500W to meet the performance requirements by using the materials and conditions in actual use.

## Effects of Over Dosage

Overdosage of Hyperplast ES500W will cause the following:

- ▲ Increase in retardation.
- ▲ Increase in workability.

## Cleaning

Clean Hyperplast ES500W with fresh cold water.

# Hyperplast ES500W

## Packaging

Hyperplast ES500W is available in 25 litre jerrycan, 210 litre drums and 1000 litre bulks supply.

## Storage

Hyperplast ES500W has a shelf life of 12 months from date of manufacturing if stored at temperatures between 2°C and 50°C.

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

## Cautions

### Health and Safety

Hyperplast ES500W is not classified as a hazardous material. Hyperplast ES500W 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 ES500W 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.

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