

# Donplast® ES500W

Plasticizing admixture for manufactured concrete products



## DESCRIPTION

Donplast ES500W is a chloride free, premium quality plasticizing admixture based on polycarboxylic polymers with selective additives which are especially formulated for machine-made (dry-cast) concrete products.

Donplast ES500W can significantly assist in the production of more uniform and consistent quality concrete products.

## APPLICATIONS

Donplast ES500W is suitable for use in the following applications:

- » Dry cast concrete.
- » Concrete pavers, patio products.
- » Concrete blocks and bricks.
- » Concrete roofing tiles.
- » Dry-Cast concrete pipes.

## ADVANTAGES

- » Improves production cycle times.
- » Improves the cohesion of the concrete mix.
- » Extends the mold's life.
- » Improves compressive strength.
- » Reduces water absorption.

## COMPATIBILITY

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

## METHOD OF USE

Donplast 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 Donplast ES500W to the concrete mix.

## DOSAGE

The recommended dosage of Donplast ES500W is 8 to 38 fl oz/100 lb (520 - 2,478 ml/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 Donplast ES500W to meet the performance requirements by using the materials and conditions in actual use.

## TECHNICAL PROPERTIES @ 70°F (21°C):

Color:	Light yellow liquid
Freezing point:	≈ 23°F (-5°C)
Specific gravity:	1.04 ± 0.02
Chloride content:	Chloride-free

## EFFECTS OF OVERDOSAGE

Overdosage of Donplast ES500W will cause the following:

- » Increase in workability.

## CLEANING

Clean Donplast ES500W with fresh cold water.

## PACKAGING

Donplast ES500W is available in 5 gal (19 litre) containers as well as 275 gal (1,041 litre) IBC totes. Bulk supply in tanker trucks is also available upon request.

## STORAGE

Donplast ES500W has a shelf life of 12 months from date of manufacture if stored at temperatures between 35°F and 122°F (2°C and 50°C).

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

## CAUTIONS

### HEALTH AND SAFETY

Donplast ES500W is not classified as a hazardous material. Donplast 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

Donplast ES500W is nonflammable.



# Donplast® ES500W

## WARRANTY

Unless expressly stated otherwise in the Sales Documents, the Limited Warranty shall expire on the expiry date listed on the Product's label or packaging. The full text of DCP's limited warranty is found in DCP's standard terms and conditions of sale (the "Terms"), which are available at [DCP Website/USA – Terms & Conditions](#). DCP's limited warranty is in all cases subject to, and conditioned upon, the Terms.

## 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.

### Don Construction Products Inc.

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

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.

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

DCP Building Excellence