

Donplast® ES1000

Plasticizing admixture for manufactured concrete products



DESCRIPTION

Donplast ES1000 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 ES1000 is specially formulated to improve the manufacturing efficiency, consistency, and visual appeal (swipe) of dry-cast concrete products.

APPLICATIONS

Donplast ES1000 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.
- » Sharpens edge and corner definition.
- » Provides an improved "swipe".

COMPATIBILITY

Donplast ES1000 is suitable to use with all types of Portland cement and cement replacement materials. Donplast ES1000 should not be used in conjunction with other admixtures unless DCP's Technical Department approval is obtained.

STANDARDS

Donplast ES1000 complies with the requirements of Specification for Chemical Admixture for Concrete ASTM C494 as a Type S admixture.

METHOD OF USE

Donplast ES1000 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 ES1000 to the concrete mix.

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

DOSAGE

The recommended dosage of Donplast ES1000 is 3 to 20 fl oz/cwt (195 - 1,300 ml/100 kg) of cementitious materials in the mix including GGBFS, PFA or micro-silica.

Representative trials should be first conducted to determine the optimum dosage of Donplast ES1000 to meet the performance requirements by using the materials and conditions in actual use.

EFFECTS OF OVERDOSAGE

Overdosage of Donplast ES1000 will cause the following:

- » Increase in workability.

CLEANING

Clean Donplast ES1000 with fresh cold water.

PACKAGING

Donplast ES1000 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 ES1000 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.



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CAUTIONS

HEALTH AND SAFETY

Donplast ES1000 is not classified as a hazardous material. Donplast ES1000 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 ES1000 is nonflammable.

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.

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.