

Donplast 150EX

Modified superplasticizer for extended slump retention (Formerly known as Hyperplast 150EX)



Description

Donplast 150EX is a new generation superplasticizer designed to produce concrete with extended slump retention.

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

- ▲ For concrete pouring at high levels.
- ▲ Extended workability concrete for more than 150 minutes.
- ▲ Produces high flowability concrete with enhanced compressive strength.
- ▲ Structures with congested reinforcement.
- ▲ Pre-stressed concrete.
- ▲ Improved cohesion allow for use in mass concrete pours and piling.
- ▲ Hot weather concreting.

Compatibility

Donplast 150EX is suitable to use with all types of Portland cement and cement replacement materials. Donplast 150EX can be used in combination other Donplast Range of admixtures to achieve specific working requirements.

For more information, please consult DCP's Technical Department.

Method of Use

Donplast 150EX 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 150EX to the concrete mix.

Dosage

The recommended dosage of Donplast 150EX is 8 to 85 fl oz/100 lb (520 - 5,525 ml/100 kg) of cement or cementitious materials in the mix including GGBFS, PFA or micro-silica

Technical Properties @ 77°F (25)°C:

Colour:	Yellowish brown liquid
Specific gravity:	1.06 ± 0.02
pH:	5 - 7

Representative trials should first be conducted to determine the optimum dosage of Donplast 150EX to meet the performance requirements by using the materials and conditions in actual use.

Effects of Over Dosage

Overdosage of Donplast 150EX will cause the following:

- ▲ Significant increase in retardation.
- ▲ 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 Donplast 150EX with fresh cold water.

Packaging

Donplast 150EX is available in 5 gal (19 litre) containers as well as 275 gal (1,041 litre) and 330 gal (1,249 litre) IBC totes. Bulk supply in tanker trucks is also available upon request.

Storage

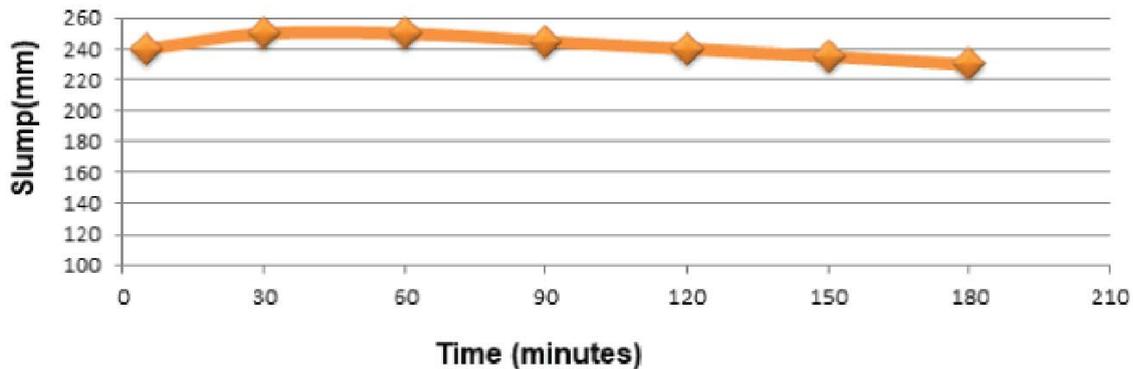
Donplast 150EX has a shelf life of 12 months from date of manufacture if stored at temperatures between 35°F and 122°F (2°C and 50°C).

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

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Slump Retaining Performance

CEMI OPC 42.5 & Cement replacements 1.7% Donplast 150EX



Cautions

Health and Safety

Donplast 150EX is not classified as a hazardous material. Donplast 150EX 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 150EX 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.

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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.

