

# Donplast CL50

Accelerating and water reducing admixture (Formerly known as Flocrete CL50)



## Description

Donplast CL50 is a liquid concrete admixture based on calcium chloride, specially designed to accelerate the setting time and increase early strength development of concrete, while also providing water reduction in the concrete mix.

## Applications

Donplast CL50 is designed for use in cold weather concreting or whenever accelerated properties of concrete are desired.

Donplast CL50 may be used in all types of concrete except pre-stressed and other applications where chloride is not acceptable.

## Advantages

- ▲ Serves as a water reducing and accelerating admixture.
- ▲ Improved early and long term strengths.
- ▲ Enables the early removal of formwork.
- ▲ Designed for cold weather concreting.
- ▲ Increases frost resistance at the early stage.
- ▲ Reduces initial setting time.

## Compatibility

Donplast CL50 is suitable to use in combination with other DCP admixtures to achieve specific working requirements, as long as they are added separately to the concrete mix.

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

## Limitation

Donplast CL50 is not recommended for reinforced concrete structures or where specifications restrict the use of chlorides in concrete. DCP's range of chloride-free set accelerator should be used in these cases.

## Standards

Donplast CL50 complies with ASTM C494, Type C and E.

## Technical Properties @ 77°F (25°C):

Color:	Yellowish liquid
Specific gravity:	1.28 ± 0.02
Freezing point:	-4°F (-20°C)
pH:	8 - 10

## Method of Use

It is recommended that Donplast CL50 is added to the concrete mix near the end of the batch sequence in order to achieve optimum performance.

An automatic dispenser should be used to dispense the correct quantity of Donplast CL50 to the concrete mix.

## Dosage

The recommended dosage of Donplast CL50 is 15 - 38.5 fl oz/100 lb (980 ml - 2510 ml/100 kg) of cement.

Representative trials should be first conducted to determine the optimum dosage of Donplast CL50 to meet the performance requirements by using the materials and conditions in actual use.

## Cleaning

Clean Donplast CL50 with fresh cold water.

## Packaging

Donplast CL50 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 CL50 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.

**Don Construction Products Inc.**  
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USA

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## Cautions

### Health and Safety

Donplast CL50 is not classified as a hazardous material. Donplast CL50 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 CL50 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.

