

Donplast Antifreeze 100

Cold weather concreting admixture [Formerly known as Flocrete Antifreeze 100]



DESCRIPTION

Donplast Antifreeze 100 is a chloride-free concrete admixture in a liquid form specially formulated to produce high-quality concrete mixes at very low temperatures.

APPLICATIONS

Donplast Antifreeze 100 is recommended for use in conditions such as:

- » Concrete casting at low temperatures.
- » Expected overnight frost.
- » Early concrete strength requirements.
- » High strength concrete.

ADVANTAGES

- » Increases frost resistance.
- » Improves early and ultimate strengths.
- » Chloride-free; does not attack reinforcement.

COMPATIBILITY

Donplast Antifreeze 100 is suitable to use with all types of Portland cement and cement replacement materials. Donplast Antifreeze 100 should not be used in conjunction with other admixtures unless DCP's Technical Department approval is obtained.

STANDARDS

Donplast Antifreeze 100 complies with the requirements of Specification for Chemical Admixture for Concrete ASTM C494 as a Type C and E admixture, depending on the used dosage.

METHOD OF USE

Donplast Antifreeze 100 can be added to the mixing water prior to its addition to the concrete mix, or dispensed separately after the addition of mixing water.

DOSAGE

Dosage rates will vary depending on the material used, ambient conditions and the requirements of a specific project.

For general concreting applications and compliance with ASTM C494 Type C, Donplast Antifreeze 100 recommended dosage is 16 to 35 fl oz/100 lb (1040 - 2280 ml/100 kg) of cement or cementitious materials in the mix including GGBFS, PFA or micro-silica.

TECHNICAL PROPERTIES @ 25°C:

Colour:	Light yellow
Freezing point:	-22°F (-30°C)
Specific gravity:	1.25 ± 0.05
Chloride content:	Chloride-free

For compliance with ASTM C494 Type E, Donplast Antifreeze 100 recommended dosage is 35 to 46 fl oz/100 lb (2280 - 3000 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 Antifreeze 100 to meet the performance requirements by using the materials and conditions in actual use.

CLEANING

Donplast Antifreeze 100 spillage should be collected by a suitable absorbent such as sand or vermiculite and transferred by a suitable container. Donplast Antifreeze 100 should not be allowed to enter sewers or open bodies of water.

Dispose in accordance with local environmental regulations.

PACKAGING

Donplast Antifreeze 100 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

Store in dry conditions. Donplast Antifreeze 100 has a minimum shelf life of 12 months from date of manufacture if stored properly in its original unopened packing.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.



CAUTIONS

HEALTH AND SAFETY

Donplast Antifreeze 100 is classified as a hazardous material. Donplast Antifreeze 100 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 Antifreeze 100 is water based and is nonflammable.

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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.

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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.

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