

Donplast A5000

Cold weather concreting admixture (Formerly known as Flocrete A5000)



Description

Donplast A5000 is a chloride-free concrete admixture in a liquid form specially formulated to produce high-quality concrete mixes at very low temperatures.

Applications

Donplast A5000 is recommended for use in conditions such as:

- ▲ Concrete casting at low temperatures.
- ▲ Expected overnight frost.
- ▲ Early concrete strength requirements.
- ▲ High strength concrete.
- ▲ Can be used as a sole additive to achieve required concrete performance at very low temperatures.

Advantages

- ▲ Improves the workability of concrete mixes.
- ▲ Increases frost resistance.
- ▲ Improves early and ultimate strengths.
- ▲ Chloride-free; does not attack reinforcement.

Compatibility

Donplast A5000 is suitable to use with all types of Portland cement and cement replacement materials. Donplast A5000 should not be used in conjunction with other admixtures unless DCP's Technical Department approval is obtained.

Standards

Donplast A5000 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 A5000 can be added to the mixing water prior to its addition to the concrete mix, or dispensed separately after the addition of mixing water.

Technical Properties @ 77°F (25°C):

Appearance:	Light yellow liquid
Freezing point:	16°F (-9°C)
Specific gravity:	1.18 ± 0.02
pH:	5 - 7
Chloride content:	Chloride-free

Dosage

Dosage of Donplast A5000 will vary depending on cement content and outside temperature. The required dosage should be determined for each case.

The recommended dosage of Donplast A5000 is 11 to 31 fl oz/100 lb (715 - 2,015 ml/100 kg) of cement or cementitious materials in the mix including GGBFS, PFA or micro-silica. Dosages outside the typical range given above may be used to meet particular requirements.

Cleaning

Donplast A5000 spillage should be collected by a suitable absorbent such as sand or vermiculite and transferred by a suitable container. Donplast A5000 should not be allowed to enter sewers or open bodies of water.

Dispose in accordance with local environmental regulations.

Packaging

Donplast A5000 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 A5000 has a shelf life of 12 months from date of manufacture if stored properly in its original unopened packing.

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

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Cautions

Health and Safety

Donplast A5000 is classified as a hazardous material. Donplast A5000 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 A5000 is nonflammable.

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- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
- ▲ Protective coatings.
- ▲ Sealants.
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- ▲ 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.

