

Flocrete® Antifreeze 100

Set accelerating and antifreeze admixture for concrete poured at low temperatures



DESCRIPTION

Flocrete Antifreeze 100 is a multi-component concrete additive in liquid form for producing high quality concrete at very low temperatures. Flocrete Antifreeze 100 is chloride free.

APPLICATIONS

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

- » Concrete casting at low temperatures.
- » To obtain concrete with increased initial strength, or to achieve rapid hardening concrete.

ADVANTAGES

Flocrete Antifreeze 100 provides for the following:

- » Improved workability without increased water content.
- » Increased frost resistance.
- » Improved early and long term strengths.
- » Chloride free - does not attack reinforcement.

COMPATIBILITY

Flocrete Antifreeze 100 is compatible with other DCP admixtures used in the same concrete mix. If more than one type of admixture will be used in concrete mix, they must be dispensed to the concrete separately.

STANDARDS

Flocrete Antifreeze 100 complies with ASTM C 494 standard, Type C and E, BS 5075 and SR EN 934-2, Table 6.

METHOD OF USE

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

TECHNICAL PROPERTIES:

Form:	Transparent liquid
Freezing point:	≈ -18°C
Specific gravity:	1.36 ± 0.03
Chloride content:	Nil
Air entrainment:	Typically less than 2% at normal dosages

DOSAGE

Dosage of Flocrete Antifreeze 100 will vary depending on cement content and outside temperature. Required dosage should be determined for each case.

Typical dosage is between 0.5 - 2 kg per 100 kg of cement content. Dosages outside the typical range given above may be used to meet particular requirements.

CLEANING

Flocrete Antifreeze 100 spillage should be collected by suitable absorbent like sand or vermiculite and transfer by suitable container. Flocrete Antifreeze 100 should not be allowed to enter sewers or open bodies of water.

Dispose of in accordance with local environmental regulations.

PACKAGING

Flocrete Antifreeze 100 is available in 1000 litres containers.

STORAGE

Store in dry conditions. Flocrete Antifreeze 100 has a minimum shelf life of 12 months if stored properly in its original unopened packing at temperature between 2°C and 30°C.

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

Don Construction Products

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CAUTIONS

HEALTH AND SAFETY

Flocrete Antifreeze 100 is classified as a hazardous material. Flocrete 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

Flocrete Antifreeze 100 is water based and is nonflammable.

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- » 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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