

Flocrete Antifreeze Plus

Water reducing and antifreeze admixture



Description

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

Applications

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

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

Advantages

Flocrete Antifreeze Plus provides for the following:

- ▲ Improved workability without increased water content.
- ▲ Reduction in water without loss of workability.
- ▲ Increased frost resistance.
- ▲ Improved early and long term strengths.
- ▲ Chloride free - does not attack reinforcement.

Compatibility

Flocrete Antifreeze Plus 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 Plus complies with the following specifications:

- ▲ EN934-2.
- ▲ BS5075.
- ▲ ASTM C494, Type C and E.

Method of Use

Flocrete Antifreeze Plus 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 @ 25°C:

Color:	Brown liquid
Freezing point:	-18°C
Specific gravity:	1.33 ± 0.02
Chloride content: BS5075	Nil
Air entrainment:	Typically less than 2% additional air is entrained above control mix at normal dosages

Dosage

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

Typical dosage is between 1 - 2% of cement content. Dosages outside the typical range given above may be used to meet particular requirements.

Cleaning

Flocrete Antifreeze Plus spillage should be collected by suitable absorbent like sand or vermiculite and transfer by suitable container.

Flocrete Antifreeze Plus should not be allowed to enter sewers or open bodies of water.

Dispose of in accordance with local environmental regulations.

Packaging

Flocrete Antifreeze Plus is available in 25 and 210 litres drums, and 1000 litres containers.

Storage

Store in dry conditions. Flocrete Antifreeze Plus has a minimum shelf life of 12 months if stored properly in its original unopened packing.

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

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Cautions

Health and Safety

Flocrete Antifreeze Plus is classified as hazardous material. Flocrete Antifreeze Plus should not come into contact with skin and eyes.

In case of contact with eyes wash immediately with plenty of water and seek medical advice promptly.

For further information refer to the Material Safety Data sheet.

Fire

Flocrete Antifreeze Plus is water based and is non-flammable.

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A wide range of construction chemicals products are manufactured by DCP which include:

- ▲ Concrete admixtures.
- ▲ Grouts and chemical fixings.
- ▲ Concrete repairs.
- ▲ Industrial floorings.
- ▲ Structural protection.
- ▲ Waterproofing.

Note:

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