

Flocrete Antifreeze A

Water reducing and antifreeze admixture



Description

Flocrete Antifreeze A is a high performance concrete admixture in liquid form for producing concrete where temperatures are expected to go below freezing.

Applications

Flocrete Antifreeze A is suitable for use in cold conditions such as:

- ▲ Slight daytime frost.
- ▲ Expected overnight frost.
- ▲ Expected cold period.

Advantages

Flocrete Antifreeze A provides the following properties:

- ▲ Increased frost resistance; highly effective at low temperatures.
- ▲ Improved workability without increased water.
- ▲ Reduction in water without loss of workability.
- ▲ Improved strengths.
- ▲ Can be used as a sole additive to achieve required concrete performance at very low temperatures.
- ▲ Chloride free - does not attack reinforcement.
- ▲ Very low freezing point.

Compatibility

Flocrete Antifreeze A is compatible with other DCP admixtures used in the same concrete mix.

If more than one type of admixture is to be used in the concrete mix, they must be dispensed to the concrete separately.

Standards

Flocrete Antifreeze A complies with the following specifications:

- ▲ EN 934-2.
- ▲ BS 5075.
- ▲ ASTM C494, Type C and E.

Technical Property @ 25°C:

Colour:	Brown liquid
Freezing point:	-16°C
Specific gravity:	1.23 ± 0.01
Air entrainment:	Typically less than 2% additional air is entrained above control mix at normal dosages

Method of Use

Flocrete Antifreeze A liquid is added to the mixing water prior to its addition to the concrete mix as the last component.

Dosage

Dose at a rate of 1 – 2% of cement content.

Exact quantity is determined by external temperature.

Dosages outside the typical ranges quoted above can be used to meet particular requirements.

Cleaning

Flocrete Antifreeze A spillage should be collected with a suitable absorbent such as sand or vermiculite and transferred in a suitable container. Flocrete Antifreeze A should not be allowed to enter sewers or open bodies of water.

If the spillage dries, the material is classified as ignitable waste. Dispose of in accordance with local environmental regulations.

Packaging

Flocrete Antifreeze A is available in 20 kg packs and 250 kg drums.

Storage

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

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

Cautions

Health and Safety

Flocrete Antifreeze A is classified as hazardous material. Flocrete Antifreeze A 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 A is water based and 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.

Note:

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