

Flocrete Antifreeze S33

Water reducing and antifreeze admixture



Description

Flocrete Antifreeze S33 is a concrete admixture in liquid form for producing concrete where temperatures are expected to go below freezing.

Applications

Flocrete Antifreeze S33 is suitable for use in cold conditions such as:

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

Advantages

Flocrete Antifreeze S33 provides the following properties:

- ▲ Improved workability without increased water.
- ▲ Reduction in water without loss of workability.
- ▲ Increased frost resistance.
- ▲ Improved early strengths (as a concrete accelerator).
- ▲ Chloride free - does not attack reinforcement.

Compatibility

Flocrete Antifreeze S33 is compatible with other DCP admixtures used in the same concrete mix.

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

Standards

Flocrete Antifreeze S33 complies with the following specifications:

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

Method of Use

Flocrete Antifreeze S33 liquid is added to the mixing water prior to its addition to the concrete mix as the last component.

Technical Property @ 25°C:

Color:	Brown liquid
Freezing point:	-12°C
Specific gravity:	1.24 ± 0.01
Air entrainment:	Typically less than 2% additional air is entrained above control mix at normal dosages

Dosage

Dose at a rate of 1 – 2 kg/ 100 kg cement.

Exact quantity is determined by external temperature.

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

Cleaning

Flocrete Antifreeze S33 spillage should be collected with a suitable absorbent such as sand or vermiculite and transferred in suitable container.

Flocrete Antifreeze S33 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 S33 is available in 25 litres pails, 210 litres drums and 1000 litres bulks supply.

Storage

Store in dry conditions. Flocrete Antifreeze S33 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 S33 is classified as hazardous material. Flocrete Antifreeze S33 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 S33 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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