

Flocrete SP5000S

High range water reducing superplasticiser admixture specially designed for precast concrete



Description

Flocrete SP5000S is superplasticising admixture formulated from selected polymers specially designed to enable the water content of the concrete to perform more effectively with higher developed early strength, this effect can be used to improve workability, to increase ultimate strengths or to facilitate a reduction in the cement content while sustaining mix properties. Flocrete SP5000S is chloride free.

Applications

Flocrete SP5000S is recommended for use in conditions such as:

- ▲ Low water cements ratios.
- ▲ To produce high quality concrete of improved durability and water tightness.
- ▲ Pre-cast concrete.
- ▲ Early concrete strength requirements.
- ▲ High strength concrete.

Advantages

Flocrete SP5000S provides for the following:

- ▲ Improved workability without increased water content.
- ▲ High reduction in water without loss of workability.
- ▲ Improved early and long term strengths.
- ▲ Chloride free - does not attack reinforcement.

Compatibility

Flocrete SP5000S is compatible with other DCP admixtures used in the same concrete mix.

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

Standards

Flocrete SP5000S complies with the following specifications:

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

Technical Properties @ 25°C:

Colour:	Brown liquid
Freezing point:	-8°C
Specific gravity:	1.24 ± 0.01
Chloride content: BS5075	Nil
Air entrainment:	Typically less than 2% additional air is entrained above control mix at normal dosages

Method of Use

Flocrete SP5000S can be added to the mixing water prior to its addition to the concrete mix, or dispensed separately after the addition on mixing water.

Dosage

Dosage of Flocrete SP5000S will vary depending on cement content and outside temperature. Required dosage should be determined for each case.

Typical dosage is between 1 - 3% of cement content. Dosages outside the typical range given above may be used to meet particular requirements.

Cleaning

Flocrete SP5000S spillage should be collected by a suitable absorbent such as sand or vermiculite and transferred by suitable container.

Flocrete SP5000S should not be allowed to enter sewers or open bodies of water.

Dispose of in accordance with local environmental regulations.

Packaging

Flocrete SP5000S is available in 25 litre pails, 210 litre drums, and 1000 litre bulks supply.

Flocrete SP5000S

Storage

Store in dry conditions. Flocrete SP5000S has a minimum shelf life of 12 months from date of manufacture if stored properly in its original unopened packing.

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

Cautions

Health and Safety

Flocrete SP5000S is classified as hazardous material. Flocrete SP5000S 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 SP5000S is water based and is nonflammable.

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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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