

# Flocrete PC5000

Cold weather concreting admixture



## Description

Flocrete PC5000 is a multi-component, high performance concrete additive in liquid form for producing high quality concrete at very low temperatures. Flocrete PC5000 is chloride free.

## Applications

Flocrete PC5000 is recommended for use in conditions such as:

- ▲ Concrete casting at low temperatures
- ▲ Expected overnight frost.
- ▲ Early concrete strength requirements
- ▲ High strength concrete
- ▲ Can be used as a sole additive to achieve required concrete performance at very low temperatures.

## Advantages

Flocrete PC5000 provides for the following:

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

## Compatibility

Flocrete PC5000 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 PC5000 complies with the following specifications:

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

### Technical Properties @ 25°C:

Colour:	Clear yellowish
Freezing point:	-14°C
Specific gravity:	1.185 ± 0.005
Chloride content: BS5075	Nil
Air entrainment:	Typically less than 2% additional air is entrained above control mix at normal dosages

## Method of Use

Flocrete PC5000 can be added to the mixing water prior to its addition to the concrete mix, or dispensed separately after the addition of mixing water.

## Dosage

Dosage of Flocrete PC5000 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.

Consult Don Technical Department for further advice.

## Cleaning

Flocrete PC5000 spillage should be collected by a suitable absorbent such as sand or vermiculite and transferred by a suitable container.

Flocrete PC5000 should not be allowed to enter sewers or open bodies of water.

Dispose of in accordance with local environmental regulations.

## Packaging

Flocrete PC5000 is available in 25 litre pails, 210 litre drums, and 1000 litre bulks supply.

# Flocrete PC5000

## Storage

Store in dry conditions. Flocrete PC5000 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 PC5000 is classified as hazardous material. Flocrete PC5000 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 PC5000 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:

We endeavor to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. However, due to the fact that we have no direct or continuous control over where or how the products are applied, DCP cannot accept any liability either directly or indirectly arising from the use of DCP products, whether or not in accordance with any advice, specification, recommendation or information given by us.

[www.dcp-int.com](http://www.dcp-int.com)



expertise



quality



full range