

Flocrete P10

Water reducing admixture



Description

Flocrete P10 is formulated from selected polymers specially designed to enable the water content of the concrete to perform more effectively. 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.

Applications

- ▲ To produce high quality concrete of improved durability and water tightness.
- ▲ To improve cohesion in concrete mixes.

Advantages

- ▲ Improved workability, reduces placing and compaction problems.
- ▲ Cold joints can be avoided by extending initial and final concrete setting time.
- ▲ Higher strength with same cement content.
- ▲ Cement saving without affecting strength.
- ▲ More durable concrete as a result of reduction in permeability and lower water to cement ratio.

Compatibility

Flocrete P10 can be used with all types of Portland cement and cement replacement materials. Flocrete P10 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 P10 complies with ASTM C494, Type A, EN 934-2, Table 2, and BS 5075, Part 1.

Method of Use

Flocrete P10 should be added to the concrete with the mixing water to achieve optimum performance.

An automatic dispenser should be used to dispense the correct quantity of Flocrete P10 to the concrete mix.

Technical Properties @ 25°C:

Colour:	Brown liquid
Freezing point:	-2°C
Specific gravity:	1.18 ± 0.03
Chloride content: BS 5075	Nil
Air entrainment:	Typically less than 2% additional air is entrained above control mix at normal dosages

Dosage

The guidance dosage of Flocrete P10 is 0.20 - 1.1 kg per 100 kg of cementitious materials in the mix, including GGBFS, PFA or microsilica.

Representative trials should be conducted to determine the optimum dosage of Flocrete P10 to meet the performance requirements by using the materials and conditions in actual use.

Effects of Over Dosage

Over dosing of Flocrete P10 will cause the following:

- ▲ Significant increase in retardation.
- ▲ Increase in workability.

Ultimate concrete strength will not be adversely affected and will generally be increased provided that proper concrete curing is maintained.

Cleaning

Flocrete P10 can be washed with fresh cold water.

Packaging

Flocrete P10 is available in 25 litre pails, 210 litre drums and 1000 litre bulks supply.

Storage

Flocrete P10 has a shelf life of 12 months from date of manufacture if stored at temperatures between 2°C and 50°C.

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

Cautions

Health and Safety

Flocrete P10 is not classified as hazardous material. Flocrete P10 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 P10 is nonflammable.

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- ▲ 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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