

Flocrete SP35

High performance water reducing superplasticiser admixture



Description

Flocrete SP35 is a superplasticising admixture 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

- ▲ Low water cement ratio concrete.
- ▲ Accelerated early strength development.
- ▲ To produce high quality concrete of improved durability and water tightness.

Advantages

- ▲ High strength increase with same cement content.
- ▲ Earlier formwork stripping by increasing early strength, particularly suitable for precast concrete industry.
- ▲ Improved workability reduces placing and compaction problems.
- ▲ Cement saving without affecting strength.
- ▲ Minimises segregation and bleeding problems by improving cohesion.
- ▲ More durable concrete as a result of reduction in permeability and lower water to cement ratio.
- ▲ Chloride free.

Compatibility

Flocrete SP35 is suitable to use with all types of Portland cement and cement replacement materials. Flocrete SP35 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 SP35 complies with ASTM C494, Type A, F and G.

Technical Properties:

Colour:	Brown liquid
Freezing point:	≈ -2°C
Specific gravity:	1.20 ± 0.03
Chloride content:	Nil
Air entrainment:	Typically less than 2% additional air is entrained above control mix at normal dosages

Method of Use

Flocrete SP35 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 SP35 to the concrete mix.

Dosage

The recommended dosage of Flocrete SP35 is 0.50 - 2.0 litres per 100 kg of cementitious materials in the mix, including GGBFS, PFA or microsilica.

Cleaning

Clean Flocrete SP35 with fresh cold water.

Packaging

Flocrete SP35 is available in 25 litre pails, 210 litre drums and 1000 litre bulk supply.

Storage

Flocrete SP35 has a shelf life of 12 months from date of manufacture if stored at temperatures between 2°C and 50°C.

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

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Cautions

Health and Safety

Flocrete SP35 is not classified as a hazardous material. Flocrete SP30 should not come into contact with skin and eyes.

In case of contact with eyes, immediately flush with plenty of water and seek medical attention.

For further information, refer to the Material Safety Data Sheet.

Fire

Flocrete SP35 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.

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Note:

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