

# Flocrete SP136R

High range water-reducing admixture for concrete screed with extended workability retention



## Description

Flocrete SP136R is a high range water-reducing 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 produce a ready-mix concrete screed with excellent workability retention as well as high early and final strength developments.

## Applications

- ▲ For the production of highly durable concrete screed.
- ▲ Recommended for high strength concrete mixes.
- ▲ Improved cohesion allows for use in mass concrete pours and filing.
- ▲ To produce high quality concrete of improved durability and water tightness.

## Advantages

- ▲ Allowing for high strength concrete production without excessive cement contents.
- ▲ Improved workability reduces placing and compaction problems.
- ▲ Cement saving without affecting strength.
- ▲ Minimising segregation and bleeding problems by improving cohesion.
- ▲ More durable concrete as a result of reduction in permeability and lower water to cement ratio.

## Compatibility

Flocrete SP136R suitable to use with all types of Portland cement and cement replacement materials. Flocrete SP136R 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 SP136R complies with the requirements of ASTM C494 as a Type A and G admixture, depending on the used dosage

## Technical Properties @ 25°C:

Colour:	Brown liquid
Specific gravity:	1.25 ± 0.03
pH:	5 - 7
Chloride content: EN 934-2	Chloride-free

## Method of Use

Flocrete SP136R 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 SP136R to the concrete mix.

## Dosage

The recommended dosage of Flocrete SP136R is 0.3 - 1.2 litre 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 SP136R to meet the performance requirements by using the materials and conditions in actual use.

## Effects of Over Dosage

Overdosage of Flocrete SP136R 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.

## Setting Time

Although the setting time is dependent on the dosage of Flocrete SP136R, the following factors should be considered:

- Retardation is increased with lower levels of tricalcium in the cement.
- Lower temperatures will delay the setting time.

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- i. SRC cement gives higher retardation level than ordinary cement.
- ii. Using more than one type of admixture in the same concrete mix could affect the setting time.
- iii. Retardation level is increased when cement replacement materials are used in the concrete mix.

## Cleaning

Clean Flocrete SP136R with fresh cold water.

## Packaging

Flocrete SP136R is available in 25 litre jerrycan, 210 litre drums and 1000 litre bulks supply.

## Storage

Flocrete SP136R 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 advise.

## Cautions

### Health and Safety

Flocrete SP136R is not classified as a hazardous material. Flocrete SP136R 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 SP136R is nonflammable.

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