

# Supaflo

High performance water reducing superplasticiser admixture



## Description

Supaflo 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

Supaflo can be used with all types of Portland cement and cement replacement materials. Supaflo 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

Supaflo complies with ASTM C494, Type G, IS 9103 and BS 5075, Part 3.

## Method of Use

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

## Technical Properties:

Colour:	Brown liquid
Specific gravity:	1.165 ± 0.02 @ 27°C
Chloride content: BS 5075 & IS 456	Nil
Air entrainment:	Typically less than 1% additional air is entrained above control mix at normal dosages

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

## Dosage

The guidance dosage of Supaflo is 0.6 - 1.6 litre per 100 kg of cementitious materials in the mix, including GGBFS, PFA or microsilica.

## Cleaning

Supaflo can be washed with fresh cold water.

## Packaging

Supaflo is available in 250 kg drums and 1000 litre bulk supply.

## Storage

Supaflo 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.

## Cautions

## Health and Safety

Supaflo is not classified as hazardous material. Supaflo should not come into contact with skin and eyes.

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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

Supaflo 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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