

# Flocrete W66

Integral waterproofing admixture



## Description

Flocrete W66 is liquid concrete waterproofing admixture formulated from selected polymers specially designed to reduce concrete water permeability by reducing capillary voids within the concrete, which will last for the life of the concrete.

## Applications

To produce concrete with lower permeability.  
For water retaining structures and concrete substructures.

## Advantages

- ▲ Minimizing segregation problems by improving cohesion.
- ▲ Improved workability reduces placing and compaction problems.
- ▲ More durable concrete due to lower permeability.
- ▲ Improves compressive strength by reducing water properties in concrete mix at the same workability.

## Compatibility

Flocrete W66 is suitable to use with all types of Portland cement and cement replacement materials. Flocrete W66 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.

## Method of Use

Flocrete W66 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 W66 to the concrete mix.

## Dosage

The recommended dosage of Flocrete W66 is between 1.0 - 3.0 litre per 100 kg of cementitious materials in the mix, including GGBFS, PFA or microsilica.

### Technical Properties @ 25°C:

Colour:	Yellowish to brownish liquid
Freezing point:	≈ -1°C
Specific gravity:	1.07 - 1.08
Chloride content: BS 5075	Nil
Air entrainment:	Typically less than 2% additional air is entrained above control mix at normal dosages

## Effects of Over Dosage

Overdosage of Flocrete W66 will cause the following:

- ▲ Increase in set retardation.
- ▲ Increase in workability.

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

## Points to be considered in waterproof concrete

- Lower water to cement ratio gives lower permeability concrete.
- Good concrete placing and compaction are very important to produce waterproof concrete.
- Fresh concrete should be protected against rapid drying and cured properly.
- Cold joints must be avoided.

## Cleaning

Clean Flocrete W66 with fresh cold water.

## Packaging

Flocrete W66 is available in 25 litre jerrycan, 210 litre drums and 1000 litre bulks supply.

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## Storage

Flocrete W66 has a shelf life of 12 months from date of manufacturing if stored at temperatures between 2°C and 40°C in its original unopened pack away from direct sunlight, moisture, windy conditions and excess heat.

The container should be kept closed when it is not in use and away from heat sources and direct sunlight.

If these conditions are exceeded, contact DCP Technical Department for advice.

## Cautions

### Health and Safety

Flocrete W66 is not classified as a hazardous material. Flocrete W66 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 W66 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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