

# Flocrete W50

High-performance permeability and absorption reducing admixture



## Description

Flocrete W50 is a liquid concrete admixture formulated from selected organic materials specially designed to produce hydrophobic properties when mixed with concrete. These hydrophobic materials will repel external water and reduce the permeability of concrete.

## Applications

- ▲ Tunnels, subways and manholes.
- ▲ Water retaining structures.
- ▲ Underground concrete constructions.
- ▲ Parking structures.
- ▲ Concrete floors.

## Advantages

- ▲ Produces more durable concrete, lower in permeability.
- ▲ Provides concrete protection throughout the concrete depth.
- ▲ Chloride and bitumen-free.

## Compatibility

Flocrete W50 is suitable to use with all types of Portland cement and cement replacement materials. Flocrete W50 can be used in combination other DCP admixtures to achieve specific working requirements.

For more information, please consult DCP's Technical Department.

## Method of Use

Flocrete W50 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 W50 to the concrete mix.

## Dosage

The recommended dosage of Flocrete W50 is 15 to 35 fl oz/100 lb (975 - 2,275 ml/100 kg) of cement or cementitious materials in the mix including GGBFS, PFA or micro-silica.

## Technical Properties @ 77°F (25°C):

Appearance:	Light yellow liquid
Specific gravity:	1.02 ± 0.02
Freezing point:	32°F (0°C)
Chloride content:	Chloride-free

Representative trials should first be conducted to determine the optimum dosage of Flocrete W50 to meet the performance requirements by using the materials and conditions in actual use.

## Points to be considered in watertight concrete mixes

- The lower water-to-cement ratio gives lower permeability concrete.
- Good concrete placing and compaction are essential to produce a watertight concrete.
- Fresh concrete should be protected against rapid drying and cured properly.
- Cold joints must be avoided.

## Cleaning

Clean Flocrete W50 with fresh cold water.

## Packaging

Flocrete W50 is available in 5 gal (19 litre) containers as well as 275 gal (1,041 litre) and 330 gal (1,249 litre) IBC totes. Bulk supply in tanker trucks is also available upon request.

## Storage

Flocrete W50 has a shelf life of 12 months from date of manufacture if stored at temperatures between 35°F and 122°F (2°C and 50°C).

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

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## Cautions

### Health and Safety

Flocrete W50 is not classified as a hazardous material.  
Flocrete W50 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 W50 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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