

# Flocrete W77

Powder waterproofing admixture



## DESCRIPTION

Flocrete W77 is powder waterproofing admixture formulated from selected organic salts specially designed to reduce the permeability in all cement based mortars, screeds and concrete.

Flocrete W77 blocks the natural pores in the mix and imparts the hydrophobic properties which reduce moisture permeability.

## APPLICATIONS

Flocrete W77 is a waterproofing admixture for use in all cement based mortars, screeds and concrete.

## ADVANTAGES

- » Improves durability by minimizing penetration of moisture and water based chemicals.
- » No additional water into dry or semi-dry mixes.
- » Reduces efflorescence and pigment leaching from cement mortars.
- » Chloride free.
- » Non-toxic, can be used for concrete in contact with potable water.

## COMPATIBILITY

Flocrete W77 can be used with all types of Portland cement and cement replacement materials. Flocrete W77 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 W77 should be added to the mix at the same time as the cement, sand and other aggregates. Do not pre-dissolve in the mixing water.

## DOSAGE

The recommended dosage of Flocrete W77 is 1 kg per 50 kg of cementitious materials in the mix, including GGBFS, PFA or microsilica.

Representative trials should be conducted to determine the optimum dosage of Flocrete W77 to meet the performance requirements by using the materials and conditions on actual use.

## TECHNICAL PROPERTIES:

Colour:	White powder
Chloride content: BS 5075	Nil

## POINTS TO BE CONSIDERED IN WATERPROOF CONCRETE

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

## CLEANING

Flocrete W77 can be removed immediately by brush. If the spillage is mixed with water, attention should be taken not to leave slippery film.

## PACKAGING

Flocrete W77 is available in 1 kg bags.

## EFFECTS OF OVER DOSAGE

Flocrete W77 over dosage will increase air entrainment which may cause a reduction in the compressive strength.

## STORAGE

Flocrete W77 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, contact DCP Technical Department for advice.

## CAUTIONS

## HEALTH AND SAFETY

Flocrete W77 is not classified as a hazardous material. Flocrete W77 should not come into contact with skin and eyes.



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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 W77 is nonflammable.

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- » 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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