



# PC 100

Cement Saving Admixture for GRC and Concrete (Block & Inter-lock)

## Description

**PC 100** is a water reducing admixture designed for the production of block industry. It can reduce the material cost by reduction in cement content without loss in strength.

## Advantages

- Increase early and compressive strength with normal setting.
- Yield and Density maintained with low cement content, compare to control mix.
- Lower permeability
- Excellent handling properties
- Increased productivity, resulting in reduced labor costs

## Uses

- To reduce material cost in block industries, semidry concrete manufacture without loss of product properties and performance.
- Allows good compressive strength without addition extra cement.

## Properties

Appearance	: Light yellow liquid
Specific gravity	: $1.02 \pm 0.02$ @ 25 °C
pH	: $6.0 \pm 1.0$ @ 25 °C

## Standards

**PC 100** complies with ASTM C 494 Type A & F

## Dosage

Dosage rates vary depending upon the amount of plasticity and/or water reduction desired. Recommended dosage range from 0.20 to 1.5 litres per 100 kg of cement weight. Other dosages may be recommended in special cases according to the specific site conditions. It is highly recommended that trial mixes be prepared to determine the optimum dosage for your specific performance requirements.

## Effects of overdosing

Over dosage may cause delay in the setting time and bleeding problems.

## Mixing

**PC 100** is a ready to use liquid admixture to be added to the concrete as a separate component. **PC 100** is poured into the concrete mix right after the addition of at least 80% of mixing water, when all materials are wetted. Avoid adding the admixture to the dry aggregates.

## Compatibility

**PC 100** is compatible with all types of cements and cement replacements, such as microsilica, fly ash and GGBS.

However, **PC 100** is not compatible and should not be used in combination with any PACTOFLO range of naphthalene based superplasticisers.

## Storage

Up to 1 year in unopened original packing, protected from extremes of heat and cold and stored under shade.

## Precautions

**PC 100** is not a fire or health hazard. Spillages should be washed down immediately with cold water. For further information refer to the Material Safety Data Sheet.



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