

Supaflo® PC200W

High performance concrete superplasticiser



DESCRIPTION

Supaflo PC200W is a high performance super plasticising admixture based on polycarboxylic polymers with long chains specially designed to enable the water content of the concrete to perform more effectively.

This effect can be used in high strength concrete and flowable concrete mixes, to achieve highest concrete durability and performance.

APPLICATIONS

- » High strength and high performance concrete.
- » Structures with congested reinforcement.
- » Pre-cast concrete.
- » Improved cohesion allow for use in mass concrete pours and piling.
- » Self compacting concrete.

ADVANTAGES

- » Optimises cement utilization.
- » High density and impermeable concrete through very high water reduction.
- » Improves shrinkage and creep behaviors.
- » Minimises segregation and bleeding problems by improving cohesion.
- » Higher early and ultimate compressive strengths.
- » Increases durability and resistance to aggressive atmospheric conditions thorough reduced permeability.

COMPATIBILITY

Supaflo PC200W is suitable to use with all types of Portland cement and cement replacement materials. Supaflo PC200W should not be used in conjunction with other admixtures unless DCP Technical Department approval is obtained.

STANDARDS

Supaflo PC200W complies with ASTM C494 type A and F, depending on the dosage.

TECHNICAL PROPERTIES @ 25°C:

Colour:	Light yellow liquid
Freezing point:	≈ -3°C
Specific gravity:	1.05 ± 0.02
Air entrainment:	Typically less than 2% additional air is entrained above control mix at normal dosages

METHOD OF USE

Supaflo PC200W 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 Supaflo PC200W to the concrete mix.

DOSAGE

The recommended dosage of Supaflo PC200W is 0.30 - 3.00 litre per 100 kg of cementitious materials in the mix, including GGBFS, PFA or microsilica.

Representative trials should be conducted to determine the optimum dosage of Supaflo PC200W to meet the performance requirements by using the materials and conditions in actual use.

EFFECTS OF OVERDOSAGE

Overdosage of Supaflo PC200W will cause the following:

- » Increase in workability.

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

CLEANING

Clean Supaflo PC200W with fresh cold water.

Don Construction Chemicals India Private Limited

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Supaflo® PC200W

PACKAGING

Supaflo PC200W is available in 25 litre pails, 210 litre drums and 1000 litre bulks supply.

STORAGE

Supaflo PC200W 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

Supaflo PC200W is not classified as a hazardous material. Supaflo PC200W 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

Supaflo PC200W is nonflammable.

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- » Surface treatments
- » Grouts and anchors.
- » Concrete repair.
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- » Protective coatings.
- » Sealants.
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- » Adhesives.
- » Tile adhesives and grouts.
- » Building products.
- » Structural strengthening.

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Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

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