

Donplast P10

Normal range water reducing admixture (Formerly known as Flocrete P10)



Description

Donplast P10 is a water reducing admixture based on lignin polymer with selective additives which are especially formulated to enable the water content of the concrete to perform in a more effective manner.

Donplast P10 provides an effective and economical solution for reducing water-to-cement ratio in concrete mixes while maintaining a very good slump and strength performance.

Applications

Donplast P10 is suitable for use in the following applications

- ▲ Production of high quality concrete with improved durability and lower permeability.
- ▲ For long concrete deliveries.
- ▲ In applications where high slump retention performance is required.

Advantages

- ▲ Optimizes cement utilization.
- ▲ Improves the water impermeability characteristics of concrete mix.
- ▲ Improves the workability of concrete mix.
- ▲ Improves the early and ultimate compressive strengths.
- ▲ Minimizes segregation and bleeding problems by improving the cohesion of concrete mixes.

Compatibility

Donplast P10 suitable to use with all types of Portland cement and cement replacement materials. Donplast P10 should not be used in conjunction with other admixtures unless DCP's Technical Department approval is obtained.

Standards

Donplast P10 complies with the requirements of Specification for Chemical Admixture for Concrete ASTM C494 as a Type A and D admixture, depending on the used dosage.

Technical Properties @ 77°F (25°C):

Appearance:	Brown liquid
Specific gravity:	1.19 ± 0.03
Chloride content:	Chloride-free

Method of Use

Donplast P10 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 Donplast P10 to the concrete mix.

Dosage

The recommended dosage of Donplast P10 is 2.5 to 11 fl oz/100 lb (163 - 715 ml/100 kg) of cement or cementitious materials in the mix including GGBFS, PFA or micro-silica.

Representative trials should be first conducted to determine the optimum dosage of Donplast P10 to meet the performance requirements by using the materials and conditions in actual use.

Effects of Over Dosage

Overdosage of Donplast P10 will cause the following:

- ▲ Significant increase in retardation.
- ▲ 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 Donplast P10 with fresh cold water.

Packaging

Donplast P10 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.

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Storage

Donplast P10 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, DCP Technical Department should be contacted for advise.

Cautions

Health and Safety

Donplast P10 is not classified as a hazardous material. Donplast P10 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

Donplast P10 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.

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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.

