

# Donplast P10M1

Water reducing admixture for concrete



## DESCRIPTION

Donplast P10M1 is formulated from selected polymers specially designed to enable the water content of the concrete to perform more effectively.

This effect can be used to improve workability, to increase ultimate strengths or to facilitate a reduction in the cement content while sustaining mix properties.

## APPLICATIONS

- » For production of ready mixed and site batched concrete with normal transportation times and workability requirements, high water reduction and improved flow characteristics.
- » To produce high quality concrete of improved durability and water tightness.
- » To improve cohesion in concrete mixes.

## ADVANTAGES

- » Improved workability, reduces placing and compaction problems.
- » Higher strength with same cement content.
- » Cement saving without affecting strength.
- » More durable concrete as a result of reduction in permeability and lower water to cement ratio.

## COMPATIBILITY

Donplast P10M1 can be used with all types of Portland cement and cement replacement materials. Donplast P10M1 should not be used in conjunction with other admixtures unless DCP technical department approval is obtained.

## STANDARDS

Donplast P10M1 complies with ASTM C494, Type A & F, depending on dosage used and EN 934-2.

## METHOD OF USE

Donplast P10M1 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 P10M1 to the concrete mix.

## TECHNICAL PROPERTIES @ 25°C:

Colour:	Clear yellowish liquid
Freezing point:	-1°C
Specific gravity:	1.01 ± 0.02
Chloride content:	Nil
Air entrainment:	Typically less than 2% additional air is entrained above control mix at normal dosages

## DOSAGE

The recommended dosage of Donplast P10M1 is 0.2 – 3.0 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 Donplast P10M1 to meet the performance requirements by using the materials and conditions in actual use.

## EFFECTS OF OVER DOSAGE

Overdosage of Donplast P10M1 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 Donplast P10M1 with fresh cold water.

## PACKAGING

Donplast P10M1 is available in 25 litre pails, 210 litre drums and 1000 litre bulks supply.



# Donplast P10M1

## STORAGE

Donplast P10M1 has a shelf life of 18 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

Donplast P10M1 is not classified as a hazardous material. Donplast P10M1 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 P10M1 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.

Abidjan Marcory Zone 4A  
Rue Thomas Edison Résidence Foua  
Ivory Coast  
[info.ivorycoast@dcp-int.com](mailto:info.ivorycoast@dcp-int.com)  
[www.dcp-int.com](http://www.dcp-int.com)

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.

[www.dcp-int.com](http://www.dcp-int.com)

DCP Building Excellence