

# Donplast AC500

Hardening accelerator admixture



## DESCRIPTION

Donplast AC500 is a multi-component concrete additive in liquid form for producing high quality concrete at very low temperatures. Donplast AC500 is chloride free.

Donplast AC500 promotes early strength development without negatively influencing final strengths.

## APPLICATIONS

Donplast AC500 is recommended for use in conditions such as:

- » Precast concrete.
- » Concrete casting at low temperatures.
- » Expected overnight frost.
- » Early concrete strength requirements.
- » High strength concrete.

## ADVANTAGES

Donplast AC500 provides for the following:

- » Increased frost resistance.
- » Improved early and long term strengths.
- » Chloride free - does not attack reinforcement.

## COMPATIBILITY

Donplast AC500 is compatible with other DCP admixtures used in the same concrete mix. If more than one type of admixture will be used in the concrete mix, they must be dispensed to the concrete separately.

## STANDARDS

Donplast AC500 complies with the following specifications:

- » EN 934-2.
- » BS 5075.
- » ASTM C494, Type C.

## METHOD OF USE

Donplast AC500 can be added to the mixing water prior to its addition to the concrete mix, or dispensed separately after the addition of mixing water.

## TECHNICAL PROPERTIES @ 25°C:

Colour:	Yellowish/light brown
Freezing point:	-32°C
Specific gravity:	1.36 ± 0.01
Chloride content: BS 5075	Nil
Air entrainment:	Typically less than 2% additional air is entrained above control mix at normal dosages

## DOSAGE

Dosage of Donplast AC500 will vary depending on cement content and outside temperature. Required dosage should be determined for each case.

Typical dosage is between 1 - 2% of cement content. Dosages outside the typical range given above may be used to meet particular requirements.

## CLEANING

Donplast AC500 spillage should be collected by a suitable absorbent such as sand or vermiculite and transferred by a suitable container. Donplast AC500 should not be allowed to enter sewers or open bodies of water.

Dispose of in accordance with local environmental regulations.

## PACKAGING

Donplast AC500 is available in 25 litre pails, 210 litre drums, and 1000 litre bulks supply.

## STORAGE

Store in dry conditions. Donplast AC500 has a minimum shelf life of 12 months from date of manufacture if stored properly in its original unopened packing.

If these conditions are exceeded, contact DCP Technical Department for advice.



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## CAUTIONS

### HEALTH AND SAFETY

Donplast AC500 is classified as a hazardous material. Donplast AC500 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 AC500 is water based and 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.

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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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