



constructive solutions

# Conplast Blocksave\*

Admixture for concrete in the paving and masonry block industry

## Uses

- To improve the effectiveness of the water content of a concrete mix
- At higher dosages to provide a cost effective means of reducing concrete permeability and thereby reducing water penetration
- To improve the quality and consistency of concrete products produced by modern paving and masonry block machines
- To provide smoother, faster machine operation and increase product strength

## Advantages

- Allows specified strength grades to be met at reduced cement content or increased workability
- Water reduction significantly improves compressive strengths at all ages and enhances durability through the production of low permeability concrete
- Minimizes the risk of segregation and bleeding and assists in the production of a dense, close textured surface, improving durability
- Breakages reduced due to increased compressive strength at early ages

## Standards compliance

Conplast Blocksave complies with BS 5075 Part 1 and with ASTM C494 as Type A.

## Description

Conplast Blocksave is a chloride free water reducing admixture supplied as a brown solution which instantly disperses in water.

Conplast Blocksave disperses the fine particles in the concrete mix, enabling the water content of the concrete to perform more effectively and improving the consistency of the concrete. This produces higher levels of workability for the same water content, allowing benefits such as water reduction and increased strengths to be taken.



## Technical support

Fosroc provides a technical advisory service for on-site assistance and advice on mix design, admixture selection, evaluation trials and dispensing equipment.

## Properties

<b>Appearance</b>	: Brown liquid
<b>Specific gravity</b>	: Typically 1.165 @ 20°C
<b>Chloride content</b>	: Nil to BS 5075
<b>Air entrainment</b>	: Typically less than 2% additional air is entrained at normal dosages.
<b>Alkali content</b>	: Typically less than 5.0 g. Na <sub>2</sub> O equivalent/litre of admixture. Fact sheet on this subject is available.

## Dosage

The optimum dosage of Conplast Blocksave to meet specific requirements should always be determined by trials using the materials and conditions that will be experienced in use. The normal dosage range is 0.4 to 1.0 litres/100 kg of cementitious material.

## Use at other dosages

Dosages outside the normal ranges quoted above can be used to meet particular mix requirements. Contact Fosroc for advice in these cases.

## Effects of overdosing

An overdose of double the intended amount of Conplast Blocksave will result in an increase in retardation as compared to that normally obtained at intended dosage. Provided that adequate curing is maintained, the ultimate strength of the concrete will not be impaired by increased retardation and will generally be increased. The effects of overdosing will be further increased if sulphate resisting cement or cement replacement materials are used.

## Instructions for use

### Compatibility

Conplast Blocksave is compatible with other Fosroc admixtures in the same concrete mix. All admixtures should be added to the concrete separately and must not be premixed together prior to addition. The performance of concrete containing more than one admixture should be assessed by trial mixes. Conplast Blocksave is suitable for use with all types of Portland cements, SRC cements and cement replacement materials such as PFA, GGBFS and microsilica. The use of a combination of admixtures in the same concrete mix and or cement replacements may alter the setting time. Trials should always be conducted to determine such setting times.

# Conplast Blocksave\*

---

## Dispensing

The correct quantity of Conplast Blocksave should be measured by means of a recommended dispenser. The admixture should then be added to the concrete with the mixing water to obtain the best results.

Contact Fosroc for advice regarding suitable equipment and its installation.

## Estimating

Conplast Blocksave is available in 210 litre and 250 kg drums or in 20 litre and 20 kg containers. For larger users, storage tanks can be supplied.

## Storage

Conplast Blocksave has a minimum shelf life of 12 months provided the temperature is kept within the range of 2°C to 50°C. Should the temperature of the product fall outside this range then contact Fosroc for advice.

**Freezing point:** Approximately -3°C

## Precautions

### Health and safety

Conplast Blocksave does not fall into the hazard classifications of current regulations (see notes 1 and 2 below). However, it should not be swallowed or allowed to come into contact with skin and eyes.

Suitable protective gloves and goggles should be worn.

Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

For further information consult the Material Safety Data Sheet available for this product.

### Fire

Conplast Blocksave is water based and non-flammable.

## Cleaning and disposal

Spillages of Conplast Blocksave should be absorbed onto sand, earth or vermiculite and transferred to suitable containers. Remnants should be hosed down with large quantities of water.

The disposal of excess or waste material should be carried out in accordance with local legislation under the guidance of the local waste regulatory authority.

Note 1: CPL Regulations 1984 Supply- Schedule 1

Note 2: HSE publication Guidance Note EH40

\* Denotes the trademark of Fosroc International Ltd.



### Important note

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service.

## Fars Iran Limited

---

No. 9, 25 th St., Khaled Eslamboli  
(Vozara) Ave., Tehran 15139 - Iran

**telephone:**  
+98 (21) 88719021

**fax:**  
+98 (21) 88721664

**email:**  
iran@fosroc.com

[www.fosroc.com](http://www.fosroc.com)

