



# Plastocrete® OC

## Integral Waterproofer for Concrete

### Technical Data Sheet

#### DESCRIPTION

**Plastocrete OC** is a high grade water reducing admixture based on carefully selected modified ligno-sulphonates. **Plastocrete OC** has been used for many years in concrete of all grades and is particularly suited where harsh aggregates are encountered.

**Plastocrete OC** conforms fully BS5075; Part 1: 1982. It also conforms to the requirements of BS6920 and is WFBS listed and DWI approved for use in concrete in contact with potable water.

#### USES

**Plastocrete OC** is suitable for both water reduction and cement saving in a wide range of concretes produced by ready mix and site batching plants. It has excellent compatibility with Sika 1 and is an essential part of the Sika Watertight Concrete system.

#### ADVANTAGES

- \* **Plastocrete OC** is manufactured by **Sika Limited** under strict control, using carefully selected raw materials.
- \* **Plastocrete OC** is ideal for pumping concrete, particularly where segregating in a pipeline is a possibility.
- \* When designed for strength and workability, the inclusion of **Plastocrete OC** allows the most economic use of the cement result in a more economical and easier to place concrete.
- \* Due to the better compaction and fewer capillaries in concrete containing **Plastocrete OC** the durability is improved. This is also assisted by minimal air entraining by its use.
- \* Little retardation will be experienced when used at the standard dosage. At higher than standard dosage, some retardation will be experienced, however, without detrimental effect to the final strength. The entrained air content does not increase proportionately with over-dosing, but is determined by mix design, aggregate proportions and grading.

#### Technical Data (typical)

<b>Form:</b>	Liquid
<b>Colour:</b>	Brown
<b>Specific gravity:</b>	1.19
<b>Air entrainment:</b>	Slight
<b>Dosage % by wt of cement:</b>	0.30 - 0.50
<b>Chloride content % w/w:</b>	Nil (ie less than 0.1% w/w)
<b>Freezing point °C:</b>	-5°C

This product complies to EN 934-2 T2.

All above values are approximate.



## METHOD OF USE

**Plastocrete OC** is supplied ready for use, it should be added at the mixer together with the mixing water. On no account may it be added to the dry cement.

## DOSAGE

The dosage of **Plastocrete OC** is best determined through trials, which will take into consideration all the requirements for the concrete. The admixture is effective from 0.3% of cementitious materials: (normal dosage range 0.3% to 0.5% byweight of cement).

## COMPATIBILITY

**Plastocrete OC** can be used with all types of Portland based cement including SRC, PFA and GGBFS.

## PACKAGING

**Plastocrete OC** is supplied in bulk. 25 litre and 200 litre containers can be arranged.

## STORAGE AND SHELF LIFE

**Plastocrete OC** should be stored in dry conditions above 0°C in original sealed containers.

The shelf life of **Plastocrete OC** under these conditions is a minimum of 12 months.



### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

**Please consult our Technical Sales Department for further information**

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