

## Arcrete SDC2

Highly Efficient Plasticizer for Semi Dry Concrete and Concrete Blocks

### Description

**ARCrete SDC2** is an innovative multi-purpose plasticizer specially developed for semi-dry concrete mixes. It is suitable to produce hollow-core slabs, blocks and pavers. At the same time, **ARCrete SDC2** accelerates the strength development and reduces the cycle time whilst the appearance is maintained or even improved. Due to its unique principle of action on the cement grain, **ARCrete SDC2** fully exploits the hydration potential of cement resulting in higher early strengths and shorter curing times.

### Typical Properties

**Appearance:** Brown Liquid

**Specific Gravity:** 1.12at 20°C

**Chloride Content:** Nil

### Compatibility

#### With Cements:

**ARCrete SDC2** is compatible with all Portland, Pozzolanic and blast furnace cements. It is also compatible with concrete containing fly ash and silica fume.

#### With Other Admixtures:

**ARCrete SDC2** is compatible with other ARKAZ admixtures in the same concrete mix. All admixtures should be added to the concrete separately and must not be mixed together prior to addition. The performance of concrete containing more than one admixture should be assessed by trial mixes to ensure the desired combination of effects is obtained.

### Addition Rates

#### Range:

The normally recommended dosage rate is 0.2 to 2.5 liters per 100 kg of cement. Other dosages may be used in exceptional cases according to specific job site conditions. In this case please consult our Technical Services Department.

The optimum dosage is assessed after preliminary trials depending upon the actual mix constituents and specifications required.

Addition rates outside of the recommended dosage range may be used for special concrete applications. In such circumstances it is important to conduct preliminary trials on the actual mix constituents to assess the effect on the properties of the concrete at the dosage level specified.

### Dispensing

It is preferable that **ARCrete SDC2** should be introduced into the mixer by means of independent automatic dispensing equipment. Such equipment or advice on dispensing can be obtained from Arkaz.

## Method of Use

**ARCrete SDC2** is supplied ready for use. It should be added to concrete mixes either during the mixing cycle or at the same time as the water, or alternatively it should be added in its supplied form to a normal concrete mix a few minutes before the pour is made. In the latter case further mixing should be provided to ensure complete dispersion.

## Health and Safety

For further information, please consult Arkaz

## Technical Service

The technical service department of Arkaz Alsharq Building Materials is available to assist in the correct and best use of our products. These resources and advice are at your disposal entirely without obligation. Please contact:

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PO Box 2572, Khobar, 31952  
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[www.arkaz.com](http://www.arkaz.com)

## Storage

**ARCrete SDC2** should be stored in original containers or suitable closed tanks preferably away from extremes of temperature. The product should be kept in shaded storage always.

### Storage Life in:

12 months from date of manufacture.

## Packaging

**ARCrete SDC2** is supplied in 20 Lit. and 210 non-returnable drums.

Alternatively, 1,000-liter totes and bulk deliveries can be arranged.

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