

Arcrete SDC1

Highly Efficient Plasticizer for Semi Dry Concrete and Concrete Blocks

DESCRIPTION

Arcrete SDC1 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 SDC1** 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 SDC1** fully exploits the hydration potential of cement resulting in higher early strengths and shorter curing times.

TYPICAL PROPERTIES

Appearance: Brown Liquid
Specific Gravity: 1.16 at 20°C
Chloride Content: Nil

COMPATIBILITY

With Cements:

Arcrete SDC1 is compatible with all Portland, Pozzolanic and blast furnace cements (GGBFS) as it is also compatible with concrete containing fly ash and silica fume.

With Other Admixtures:

Arcrete SDC1 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 special 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 SDC1** 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 SDC1 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.

PACKAGING

Arcrete SDC1 is supplied in 20 Lit. & 210 non-returnable drums. Alternatively, 1,000-liter totes and bulk deliveries can be arranged.

HEALTH AND SAFETY

For more Safety information you can check Product Material Safety Data Sheet, send an email to ConcreteDoctor@arkaz.com or Contact Arkaz Technical Department.

STORAGE & SHELF LIFE

Arcrete SDC1 should be stored in original containers or suitable closed tanks preferably away from extreme temperature. Always keep product in shaded storage.

Storage Life: 12 months from date of manufacture.

TECHNICAL SERVICE

The technical service department of Arkaz 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:
concretedoctor@arkaz.com

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