

# ARCRETE SRA200

Shrinkage Reducing Admixture for Concrete and Mortar

## DESCRIPTION

**ARCRETE SRA200** is a Shrinkage reducing organic admixture supplied as a colorless liquid. It is used to produce high-performance concrete with greatly reduced drying shrinkage, so that the durability of the concrete structure is significantly improved. **ARCRETE SRA200** functions by reducing capillary tension of pore water, which is a primary cause of drying shrinkage. **ARCRETE SRA200** does not contain chlorides and is completely non-corrosive to reinforcing steel, metal decks, and to all metal components of admixture storage and dispensing systems. It meets the requirements of ASTM C 494, Type S.

## TYPICAL PROPERTIES

**Appearance:** Colorless Liquid  
**Specific Gravity:** 0.95 at 25°C  
**Air Entrainment:** 2% Max from control mix.  
**Chloride Content:** Nil as per BS 5075

## COMPATIBILITY

### With Cements:

**ARCRETE SRA200** can be used with most types of Portland cements as well as Pozzolanic Cements, Ground Granulated Blast Furnace Slag (GGBFS), Micro Silica and Fly Ash.

### With Other Admixtures:

**ARCRETE SRA200** 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 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

### Processing & Dosage:

Typical specified dosage levels are normally in the range of 0.5 % to 8 % of the Cementitious materials. Because **ARCRETE SRA200** has a high dosage level, calculation of water cement ratio should include the water added to the mix in the admixture. The optimum dosage is assessed after preliminary trials depending upon the actual mix constituents and specifications required.

**ARCRETE SRA200** is added either simultaneously with or immediately after the mixing water. The application of **ARCRETE SRA200** will result in slightly retarded setting of the concrete and in cold ambient temperatures this effect will be increased. When **ARCRETE SRA200** with retarding admixtures, their combined retardation effect and the delay in setting time must be tested and considered.

If **ARCRETE SRA200** is used in the new built concrete structure, it will lengthen its life and maintain its appearance as it contains Chemicals that make the concrete watertight.

## DISPENSING

It is preferable that **ARCRETE SRA200** 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 SRA200** 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 SRA200** is supplied in 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](mailto:ConcreteDoctor@arkaz.com) or Contact Arkaz Technical Department.

## STORAGE & SHELF LIFE

**ARCRETE SRA200** 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 provided the temperature is kept within the range of 2°C to 30°C. Freezing point: Approximately -2°C.

## 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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