

# Arcrete CIA-800

Corrosion inhibitor concrete Admixture



## DESCRIPTION

**Arcrete CIA-800** is a steel Corrosion inhibitor which can be mixed with concrete or coated on its Surface; it can prevent or delay the corrosion process. **Arcrete CIA-800** is a liquid concrete admixture formulated to protect embedded reinforcing steel from corrosion, and to provide an effective means for extending the service life of concrete structures. This product will develop a protection layer on the metallic reinforcing rod. It can prevent the metallic ion, corrosion medium, hydrogen and oxygen permeating the concrete structure as it will effectively prevent or delay the chemical deterioration.

## TYPICAL PROPERTIES

<b>Appearance:</b>	Yellowish clear Liquid
<b>Specific Gravity:</b>	1.03 at 25°C
<b>Chloride Content:</b>	Nil according to BS5075

## DISPENSING

It is preferable that **Arcrete CIA-800** should be introduced into the mixer by means of independent automatic dispensing equipment. Such equipment or advice on dispensing can be obtained from Arkaz.

## COMPATIBILITY

### With Cements:

**Arcrete CIA-800** is compatible with all Portland, Pozzolanic and blast furnace cements. It is also compatible with concrete containing fly ash and silica fumes.

### With Other Admixtures:

**Arcrete CIA-800** 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.

## METHOD OF USE

**Arcrete CIA-800** 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.

## ADDITION RATES

### Range:

General industrial civil buildings, bridges and other minor corrosive environment, as well as Harbor engineering, coastal construction and other serious corrosive environment, the recommended dosage is between 0.6 - 1 L/M<sup>3</sup>.

**Arcrete CIA-800** is recommended for all concrete structure and waterproof, especially for the high-grade concrete in severe atmosphere. If **Arcrete CIA-800** is applied on the new and built concrete structure and its

steel, it will lengthen its life and keep the appearance.

## PACKAGING

**Arcrete CIA-800** 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 the MSDS or contact Arkaz technical department.

## STORAGE & SHELF LIFE

**Arcrete CIA-800** 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.

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### 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 us via our website [arkaz.com](http://arkaz.com)

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