

Arcrete CN

Corrosion inhibitor concrete Admixture



DESCRIPTION

Arcrete CN is a calcium nitrite-based admixture designed to inhibit the corrosion of steel in reinforced concrete. **Arcrete CN** is recommended for conventional steel reinforcement as well as prestressed or post-tensioned concrete that will be exposed to chlorides from marine environments or deicing salts. **Arcrete CN** will extend the service life of structures by effectively inhibiting corrosion, in areas such as parking garage decks and support structures, bridge decks, marine structures and many others.

TYPICAL PROPERTIES

Appearance:	Yellowish clear Liquid
Specific Gravity:	1.145 at 25°C
Chloride Content:	Nil according to BS5075
ASTM C494 Classification:	Type S

DISPENSING

It is preferable that **Arcrete CN** 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 CN 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 CN 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 CN 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:

Typically specified dosage levels are normally in the range of 12 to 30 liters per cubic meter of concrete. Because **Arcrete CN** 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.

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.

PACKAGING

Arcrete CN 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 CN 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 us via our website arkaz.com

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