

CHEMCRETE CR800

Chemcrete CR800 is an anodic corrosion inhibitor and accelerator for concrete, designed to reduce the attack of chloride ions on reinforcing steel.

Chemcrete CR800 is an admixture based on a solution of calcium nitrite, which has been shown to significantly reduce the corrosion of reinforcing steel in the presence of chloride ions. It can be used in all concrete containing steel reinforcing to inhibit the attack of chloride ions. Chemcrete CR800 can also be used as an accelerator for concrete and will act as a long-term strength enhancer.

**ACCELERATES THE SETTING TIMES OF
CEMENTITIOUS MIXES
SUITABLE FOR CONCRETE CONTAINING REINFORCING
STEEL
ANODIC CORROSION INHIBITOR
ENABLES WORK TO CONTINUE NORMALLY AT LOW
TEMPERATURES**

TECHNICAL INFORMATION

FORM: Liquid

COLOUR: Pale Yellow

pH: 6.0

FREEZING POINT: -15°C approx.

CHLORIDE CONTENT: Nil (i.e. <0.2 %)

DENSITY: 1.2

SOLIDS: 30% w/w

DIRECTIONS FOR USE:

DOSAGE

Chemcrete CR800 should be added with or after the mixing water. On no account should it be added to dry cement. Where concrete is in transit for over one hour, the Chemcrete CR800 should be added on site and mixed until uniformly dispersed. Trial mixes should be carried out to determine the optimum dosage. For advice, contact Larsen Technical Department.

Anticipated Chloride Level (kg/m ³)	Chemcrete CR800 Dosage (L/m ³)
3.6	10.0
7.7	20.0
9.5	30.0

At these dosages, Chemcrete CR800 will greatly accelerate the setting times. Chemcrete R610 can be used to counteract this acceleration. Trial mixes are required to determine dosage under the relevant site conditions. The following is a guide only:

Chemcrete CR800 Dosage (L/m ³)	Chemcrete R610 Dosage (% by weight of cement)
10.0	0.3
20.0	0.4
30.0	0.5

DISPENSING

Chemcrete CR800 should be dispensed into the mixer with the gauging water. It should never be added to the dry cement.

COMPATIBILITY

Chemcrete CR800 can be used with all types of Portland cement. It can also be used with other admixtures (i.e. mortar plasticisers). When used in conjunction with other admixtures, each must be dispensed separately into the mix. Please consult our Technical Department.

OVERDOSAGE

Severe overdosage can cause extensive acceleration.

STORAGE

This product must be stored in closed containers protected from extremes of temperature. If the product has frozen, thaw at temperatures above +2°C and reconstitute by mechanical agitation only.

SHELF LIFE

12 months in unopened manufacturer's containers.

PACKAGING

Chemcrete CR800 is supplied in 25L, 200L and bulk if required.