

CHEMCRETE R610

Chemcrete R610 is a liquid-retarding and plasticising admixture for use in concrete, grouts, mortars and screeds. Chemcrete R610 is a retarding water-reducer for concrete; it is based on polyhydroxycarboxylic acids. It retards the initial set and reduces water demand giving enhanced strengths at equal workability.

**INCREASED DENSITIES AND STRENGTHS AT GIVEN
WORKABILITY
VERY PREDICTABLE RETARDATION
RAPID STRENGTH GAIN ONCE INITIAL SET HAS BEEN
REACHED
SUITABLE FOR USE IN LARGE POURS
BS EN 934-2: T8**

TECHNICAL INFORMATION

FORM: Liquid

COLOUR: Pale Yellow

pH: ~7

FREEZING POINT: -3°C approx.

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

EQUIVALENT NA₂O: 3.99%^{w/w} as Na₂O

DENSITY: 1.17

AIR ENTRAINMENT: ~1%

DIRECTIONS FOR USE:

DOSAGE

Chemcrete R610 is recommended for use at rates of 0.2% - 0.8% by weight of cement. Trial mixes should be carried out to determine the optimum dosage rate. Retardation of setting times will depend greatly on ambient temperature, cement content, cement type, etc. See the following table for guidance as a starting point for trials.

Trials based on 300Kgs/m³ OPC at approx. 14°C:

Retardation	Dosage litres per 100kg cement
1 hr	0.18
2 hrs	0.25
3 hrs	0.32
4 hrs	0.46
5 hrs	0.56
6 hrs	0.64
7 hrs	0.75
8 hrs	0.90

DISPENSING

Chemcrete R610 should be dispensed into the mixer with the gauging water. It should never be added to the dry cement.

COMPATIBILITY

Chemcrete R610 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 retardation.

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 R610 is supplied in 25L, 200L and bulk, if required.