

CHEMCRETE 100PLUS

Chemcrete 100Plus is a '3rd generation' high performance superplasticiser/high range water reducer for use in ready mixed concrete. 100Plus is a solution of a polycarboxylate polymer and acts through a steric repulsion mechanism. This permits high workability or water reduction of up to 30%. Chemcrete 100Plus is designed to allow concrete to be supplied to site at a consistence that is practical for placing but at a w/c ratio that is economical and of good quality.

GOOD SLUMP RETENTION
LOW DOSAGE
HIGH PERFORMANCE
FOR ECONOMICAL HIGH SLUMP CONCRETE
MAINTAIN LOW W/C RATIOS
BS EN 934-2 Table 3.1/3.2

TECHNICAL INFORMATION

FORM: Liquid

COLOUR: Pale Yellow to Pale Brown

SPECIFIC GRAVITY: ~1.06 g/ml

pH: ~6.0

CHLORIDE CONTENT: <0.1% w/w

FREEZING POINT: 0°C

EFFECT ON SETTING: Negligible Retardation. Depending on cement type and temperature.

AIR ENTRAINMENT: <1% increase

DIRECTIONS FOR USE:

DOSAGE

Chemcrete 100Plus is supplied ready for use and should be added with or after the mixing water. Do not add directly to dry cement. As Chemcrete 100Plus has a wide range of applications dosage may vary between 0.2 – 1.0% by weight of cement. As such, trial mixes should be carried out to determine the optimum dosage rate. In general, an addition of 1L/m³ is generally sufficient to take a S2 slump class concrete to a S3/S4 slump class.

COMPATIBILITY

Chemcrete 100Plus can be used with all types of Portland cement. It can also be used with other admixtures. When used in conjunction with other admixtures each must be dispensed separately into the concrete mix. Please consult our Technical Department.

OVERDOSAGE

Severe overdosage can cause retardation, air entrainment and increased workability leading to segregation .

STORAGE

This product must be stored in closed containers protected from extremes of temperature. If the product has frozen, thaw at 20°C and reconstitute by mechanical agitation only.

SHELF LIFE

12 months in unopened manufacturer's containers.

PACKAGING

Chemcrete 100Plus is supplied in 25L, 200L and bulk if required.