

CHEMCRETE HP5

Larsen Chemcrete HP5 is a '3rd generation' high performance superplasticiser/high range water reducer. HP5 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 HP5 has been designed to provide a more efficient dispersing effect to provide high workability and better early and ultimate strengths making it ideal for all applications but particularly suitable for precast concrete use.

BS EN 934-2 Table 3.1/3.2
UP TO 30% WATER REDUCTION
INCREASES WORKABILITY
HIGH EARLY STRENGTHS
HIGH ULTIMATE STRENGTHS
NO RETARDATION AT NORMAL DOSAGES
IDEAL FOR PRECAST CONCRETE AND READY MIXED CONCRETE

TECHNICAL INFORMATION

FORM: Liquid

COLOUR: Amber

SPECIFIC GRAVITY: ~1.08 g/ml

pH: 6.0 – 8.0

CHLORIDE CONTENT: <0.1% w/w

FREEZING POINT: 0°C

EFFECT ON SETTING: Negligible

AIR ENTRAINMENT: <1% increase

DIRECTIONS FOR USE:

DOSAGE

Chemcrete HP5 is supplied ready for use and should be added with the last third or immediately after the mixing water. Do not add directly to dry cement. As Chemcrete HP5 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. A typical starting point is 0.5% in precast concrete applications, SCC and flowing mixes may require slightly higher dosages.

COMPATIBILITY

Chemcrete HP5 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 may cause retardation and air entrainment and but will typically greatly increase workability which may lead to problems with segregation.

STORAGE

This product must be stored in closed containers protected from extremes of temperature. If the product has frozen, thaw at temperatures above +4°C and reconstitute by mechanical agitation only. Always carry out trial mixes before using material which has frozen.

SHELF LIFE

12 months in unopened manufacturer's containers.