

CHEMCRETE MR1

Chemcrete MR1 is a plasticising/retarding admixture for mortar, based on synthetic surfactants. It has been designed to extend the working time of ready-mixed mortars and reduce the water requirement. Chemcrete MR1 is generally used in conjunction with Chemcrete ME2 to provide masonry mortars for laying that remain workable for up to 48 hours (depending on the dosage of Chemcrete MR1).

**BS EN 934-3: T3
MORTAR REMAINS USEABLE FOR UP TO 48HRS
USE IN CONJUNCTION WITH CHEMCRETE ME2
SUITABLE FOR ALL BUILDING MORTARS
DOSE-SENSITIVE RETARDATION**

TECHNICAL INFORMATION

FORM: Liquid

COLOUR: Brown

S.G.: ~1.165g/ml

pH: ~10

SOLIDS: 34% w/w

ASH: 4% w/w

CHLORIDE CONTENT: < 0.1% w/w

Na₂O EQUIVALENT: 2.5% w/w

SO₃ EQUIVALENT: < 0.1%

FREEZING POINT: -2°C

DOSAGE: Typically 0.5 – 1.5L per 100kg cement. Lower dosages are required at lower temperatures.

DIRECTIONS FOR USE:

DOSAGE

Chemcrete MR1 is recommended for use at a rate of 0.5 – 1.5L per 100kg of cement. Dosage rates to achieve the desired retardation will depend on the class of mortar, ambient temperatures, sand quality and cement type. Thorough mixing of the mortar is essential. Mixing should continue until a uniform consistency is achieved. For advice, contact Larsen Technical Department.

DISPENSING

Chemcrete MR1 should be dispensed into the mixer with the gauging water. It should never be added to the dry cement. It should be dispensed separately to Chemcrete ME2.

COMPATIBILITY

Chemcrete MR1 can be used with all types of Portland Cements. Some cements or pozzolanic materials may require reduced dosages. It is also compatible with other admixtures. When used in conjunction with other admixtures, each must be dispensed separately into the concrete mix.

GENERAL

Fresh mortar must be contained in non-porous containers or similar, a layer of water placed on top in order to prevent drying out, and the storage containers covered with polythene. Protect the materials from frost. Dampen down bricks and blocks prior to use. Sands for masonry mortars must be evaluated for their suitability for retarded mortars. Sands containing a high silt content may not be suitable. Trial mixes must be carried out to ascertain optimum working dosages. The effects of retardation are negligible when the mortar is applied as suction from the brick/block initiates the setting of the mortar. As such, careful attention should be paid when using wet blocks or low porosity bricks.

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 +4°C and reconstitute by mechanical agitation only.

SHELF LIFE

12 months in unopened manufacturer's containers.

PACKAGING

Chemcrete MR1 is supplied in 25 L, 200 L and bulk if required.