

ELMIERE RMC P 500

High performance water reducing admixture

Uses

- Formulated for RMC's for low grade concrete where workability retention is of prime importance
- To improve cohesion and compatibility of the mix
- Can be used in hot weather condition

Advantages

- Better cohesion and particle dispersion minimizes segregation, bleeding and produces dense concrete matrix
- Chloride free, best for precast, pre-stressed and reinforced concrete
- High range water reducing property allows the production of high early-strength concrete and low water absorption values.
- Can be used for concrete with poor grading
- Workability increases without extra water addition

Standard complies

ELMEIRE RMC P 500 complies with ASTM C 494 Type B & D and with BS 5075 Part 1

Description

ELMIERE RMC P 500 is a chloride free, super plasticizing admixture based on advanced synthetic polymers, which has been specially designed to retain workability even in high ambient temperature.

Properties

Appearance	: brown liquid
Specific gravity	: 1.18+/-0.02 @ 20 ^o c
PH value	: 7 - 8
Chloride content	: nil to BS 5075

Compatibility

ELMIERE RMC P 500 is compatible with all types of Portland cements and cement replacement materials such as PFA, GGBFS and Micro silica.

It is also compatible with other ELMIERE admixtures used in the same concrete mix.

Dispensing

ELMIERE RMC P 500 is introduced in to the mixer with the mixing water. ELMIERE RMC P 500 should never be added to dry mix. The admixture works more efficiently if it is added to the dampened mix. Full blending of the admixture and concrete should be ensured by mixing at high speed for a period of at least two minutes.

Effect of Over Dosage

A severe over dosage of ELMIERE RMC P 500 will result in following:

1. Increase in air entrainment
2. Increase in workability
3. Retardation of initial and final setting times.

If the concrete is properly cured the ultimate strength of concrete will not be adversely affected and will generally be higher than the normal concrete.

Typical dosage

For normal concrete, a dosage between 0.4 % to 1.0 % by weight of cement may be used. The optimum dosage of ELMIERE RMC P 500 should always be determined by trial mixes using the materials and conditions that will be experienced in use.

Storage

ELMIERE RMC P 500 must be stored in a place where temperature does not drop below +5⁰c. If product has frozen, thaw at +3⁰c and agitate until completely reconstituted. Store under cover, out of direct sunlight and protect from extremes of temperature.

Health and safety

ELMIERE RMC P 500 does not fall in to the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes.

Splashes on the skin should be removed with water. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately – do not induce vomiting.

Fire

ELMIERE RMC P 500 is water based and non-flammable

ELMRR

Elmrr manufactures a broad range of specialist construction chemicals including concrete repair and protection systems, High quality precision grouts, concrete admixtures, Industrial floorings and coatings, technically advanced joint sealants, adhesives, bonding agents, water proofing and damp proofing products, micro concretes and protective coatings.

The wide product range available from elmrr allows it to differentiate itself from many of its competitors. This coupled with its dedication to the pursuit of excellence, innovation and excellent quality, positions elmrr well in the field of construction chemicals

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