

ELMIERE RP 210

Retarding admixture

Uses

ELMIERE RP 210 improves water efficiency and delays initial set of concrete mixes. This enhances the strength, density and workability of the concrete mix without increasing the quantity of cement. Retardation of setting time enables avoidance of cold joints occurred by the delay in placing of concrete. ELMIERE RP 210 is used in towers, high buildings, tunnels and offshore constructions.

Advantages

- Avoidance of cold joints, extended placing and compaction time
- Increased workability and extended setting times
- 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.

Standard complies

ELMEIRE RP 210 complies with ASTM C 494 Type D

Description

ELMIERE RP 210 is a chloride free, plasticizing admixture based on lingsulphonates. It acts

as a dispersing agent which break down agglomerates of cement particles and enables the water in the mix to perform more efficiently by delays the initial hydration of the cement which results in retardation of the setting time.

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 RP 210 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 RP 210 is introduced in to the mixer with the mixing water. ELMIERE RP 210 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.

Typical dosage

For normal concrete, a dosage between 0.1 to 0.3 litres / 50 kg cement depending on the

slump and retardation required. The optimum dosage of ELMIERE RP 210 should always be determined by trial mixes using the materials and conditions that will be experienced in use.

Curing

Use EmO Cure grade of curing compounds for the best results

Storage

ELMIERE RP 210 must be stored in a place where temperature does not drop below +5^oc. If product has frozen, thaw at +3^oc and agitate until completely reconstituted. Store under cover, out of direct sunlight and protect from extremes of temperature.

Health and safety

ELMIERE RP 210 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 RP 210 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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