

ELMIERE 430 HS

Superior high range water reducer for precast and high early strength concrete

Uses

- Formulated for use in the precast industry
- For low slump concrete to produce more uniform, consistent concrete
- Can be used in semi-dry conditions and for effective dispersion in coloured concrete
- To be used in factory-line concrete production

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.

Standard complies

ELMEIRE 430 HS complies with ASTM C 494 Type A & F and BSEN 934-2:1998

Description

ELMIERE 430 HS is a chloride free, super plasticizing admixture based on advanced synthetic polymers. ELMEIRE 430 HS disperses the fine particles in the concrete mix, enabling

the water content of the concrete to perform more effectively. The very high level of water reduction possible allows major increases in strength.

Properties

Appearance	: brown liquid
Specific gravity	: 1.204+/-0.01 @ 20 ^o c
PH value	: 8.59
Chloride content	: nil to BS 5075

Compatibility

ELMIERE 430 HS 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 430 HS is introduced in to the mixer with the mixing water. ELMIERE 430 HS 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 0.75% to 2% by weight of cement may be used, and for high strength concrete, dosage between 1.5% to 3.0% by weight of cement may be used.

The optimum dosage of ELMIERE 430 HS should always be determined by trial mixes using the materials and conditions that will be experienced in use.

Storage

ELMIERE 430 HS must be stored in a place where temperature does not drop below +5°C. If product has frozen, thaw at +3°C and agitate until completely reconstituted. Store under cover, out of direct sunlight and protect from extremes of temperature.

Health and safety

ELMIERE 430 HS 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 430 HS 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

Product Manufactured By:

**Elmrr Construction Chemicals
(New Rusayl Heights)**

FACTORY
P.O.BOX 176, PC 124,
Rusayl Industrial Area,
Muscat, Sultanate of Oman
Tel: +968 24446914
Fax: +968 24446776

Email: sales@elmrr.com