

ROCK ADMIX FHS

High Range Water-Reducing Concrete Admixture

DESCRIPTION

ROCK ADMIX FHS is a highly effective dual action liquid superplasticizer for production of free flowing concrete or as a substantial water-reducing agent for promoting high early and ultimate strengths.

Suitable for use in tropical and hot climatic conditions.

USES

ROCK ADMIX FHS is used as a superplasticizer in the production of free-flowing concrete, such as Slabs and foundations Walls, columns and piers Slender components with densely packed reinforcement

Textured surface finishes

ROCK ADMIX FHS is also used as a water-reducing agent for producing high early strength concrete, such as

Pre-cast concrete elements

Pre-stressed concrete

Bridges and cantilever structures

Concrete where formwork must be removed quickly or early loading can be Applied.

CHARACTERISTICS / ADVANTAGES

ROCK ADMIX FHS provides the following properties:

As a Superplasticizer

Workability is greatly improved

Increased placeability in slender components with densely packed reinforcement.

Easy placing, less vibrating

Normal set without retardation

Significantly reduces the risk of segregation.

As a Water Reducer

Up to 25% water reduction

16 hours compressive strengths increased by up to 100%

Final strengths are improved by up to 40%.

APPROVALS / STANDARDS

ROCK ADMIX FHS complies with ASTM C-494 Type A & F and EN 934-2 :2001

PRODUCT INFORMATION

Chemical Base

Poly-naphthalene condensate.

Form

Liquid.

Packaging

200 lt. drums and 1000 lt. flow bins

Bulk supply in tanker trucks is possible on demand

Appearance / Color

Brown.

Shelf Life

12 months from date of production if stored properly in undamaged and unopened original sealed containers.

Storage Conditions

Store in a dry area between 5°C and 35°C. Protect from direct sunlight

Density

Approximately 1.2kg/lt

pH value

Approximately 8.

Chloride Content

Nil.

APPLICATION INFORMATION

Recommended Dosage

0.6 –4.0% by weight of cement. It is advisable to carry out trial mixes to establish

the exact dosage rate required.

Compatibility

compatible with sulphate resistant cement.

Please consult our Technical Services Department.

Dispensing

ROCK ADMIX FHS can be added to the mixing water prior to its addition to the aggregates or directly to the freshly mixed concrete (the plasticizing effect is more pronounced).

ROCK ADMIX FHS can also be added to the concrete immediately prior to discharge and after further mixing has taken place for at least three more minutes.

CONCRETE PLACING

The standard rules of good concreting practice, concerning production and placing, are to be followed. Refer to relevant standards.

CURING

Fresh concrete must be cured correctly, especially at high temperatures in order to prevent plastic and drying shrinkage. Use Citychem products as a curing agent or apply wet hessian.

CLEANING

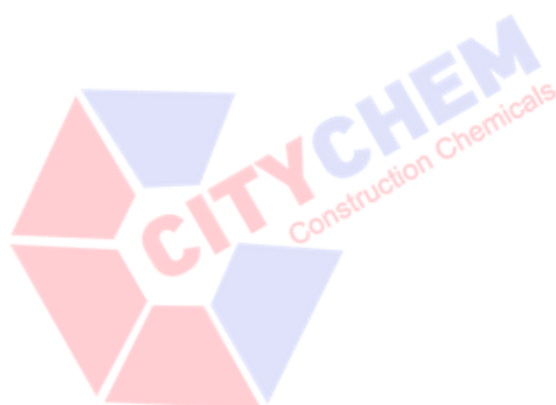
Clean all equipment and tools with water immediately after use.

APPLICATION NOTES / LIMITATIONS

When accidental overdosing occurs, the set retarding effect increases and additional air is entrapped. During this period the concrete must be kept moist in order to prevent premature drying out.

SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.



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CONSTRUCTION