

ROCK ADMIX G 400

HIGH RANGE WATER REDUCING AND SET RETARDING CONCRETE ADMIXTURE

DESCRIPTION

A highly effective super plasticizer with a set retarding effect for producing free-flowing concrete in hot climates. Also, a substantial water reducing agent for promoting high early and ultimate strengths.

USES

ROCK ADMIX G400 is used wherever high quality concrete is demanded under difficult placing and climatic conditions.

CHARACTERISTICS / ADVANTAGES

ROCK ADMIX G400 provides the following properties:

As a Super Plasticizer:

Substantial improvement in workability without increased water or the risk of segregation. Long lasting control of slump loss.

No adverse effect on ultimate strengths.

As a water reducer:

Early strengths significantly increased.

High ultimate strengths. Up to 20% water reduction.

Especially suitable for hot climates. No excessive air entrainment.

No adverse shrinkage effects. Improved surface finish.

Increased water tightness.

Chloride free-does not attack reinforcement.

APPROVALS / STANDARDS

It complies with ASTM C-494 Type G and BS 5075 Part 3. properly in undamaged and unopened original sealed packing.

Storage Conditions Store in dry conditions, protected from direct sunlight and frost.

PRODUCT INFORMATION

Chemical Base

Modified Synthetic Dispersion.

Packaging

5 and 20 kg pails

220 kg drums

Bulk Tanks packing available upon request

Appearance / Color

Brown liquid

Shelf Life

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

Storage Conditions

Store in dry conditions, protected from direct sunlight and frost.

Density

(at 20°C) 1.17 (ASTM C-494)

APPLICATION INFORMATION

Recommended Dosage

0.6 - 2 % by weight of cement.

Exact dosage rates are dependent on the type of effect sought, quality of cement & aggregates, Water/Cement-ratio and ambient temperature.

Therefore, it is advisable to carry out trial mixes.

Compatibility

ROCK ADMIX G400 is compatible with all types of Portland Cement, including S.R.C.

When accidental overdosing occurs, the set retarding effect increases.

During this period the concrete must be kept moist in order to prevent premature drying out.

Dispensing

ROCK ADMIX G400 can be added separately to the freshly mixed concrete or directly to the mixing water prior to its addition to the aggregates.

When added separately to the freshly mixed concrete, further mixing should take place for at least one minute per cubic meter.

ECOLOGY, HEALTH AND SAFETY

SAFETY PRECAUTIONS

Accidental splashes to the skin must be washed off with water and soap.
Accidental splashes to the eyes or mucous membrane must be rinsed with clean warm water.
Seek medical attention.

ECOLOGY

Residues of material must be removed according to local regulations.
Fully cured material can be disposed of as household waste under agreement with the responsible local authorities.

TRANSPORT NON-HAZARDOUS

Toxicity Non-Toxic under relevant health and safety codes.



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CONSTRUCTION