

ROCK ADMIX F1/1

HIGH RANGE WATER REDUCING CONCRETE ADMIXTURE

DESCRIPTION

ROCK ADMIX F1/1 is used as a highly effective water reducing agent and super-plasticizer for the production of high quality concrete in hot climates.

The dual action of ROCK ADMIX F1/1 promotes accelerated hardening with high early and ultimate strengths.

USES

As a substantial water-reducing agent ROCK ADMIX F1/1 is used where high early and ultimate strength is required, such as:

Pre-stressed concrete surfaces.

Concrete elements manufactured in Pre-cast factories, where rapid demolding and early load application is required.

Bridges and cantilever structures.

As a super plasticizer, ROCK ADMIX F1/1 is used for flow concrete in:

Slabs and foundations.

Walls and columns.

Slender components with densely packed reinforcements.

Beams and ceilings

CHARACTERISTICS / ADVANTAGES

-ROCK ADMIX F1/1 provides the following properties:
Substantial improvement in workability without increased water.

Normal set without retardation.

Accelerated hardening after setting.

Significant increase of early and ultimate strengths.

Especially suitable for concreting at elevated temperatures.

Increased water tightness.

Improved surface finish.

Reduced shrinkage and creep.

Chloride-free-does not attack reinforcement.

APPROVALS / STANDARDS

- It complies with ASTM C494 Type A&F and B.S. 5075 Part 3.

PRODUCT INFORMATION

Chemical Base

Synthetic Type Dispersion

Form

Liquid.

Packaging

5 and 20 kg pails

220 kg drums

Bulk Tanks packing available upon request

Appearance / Color

Brownish

Shelf Life

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

Storage Conditions

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

Density

(at 20°C) 1.200 (ASTM C494)

Chloride Content

Nil.

APPLICATION INFORMATION

Recommended Dosage

0.6 – 2.5 % by weight of cement.

It is advisable to carry out trial mixes to establish the exact dosage rate required.

Compatibility

ROCK ADMIX F1/1 is compatible with all types of Portland Cement, including S.R.C.

When accidental overdosing causes an extension of the initial setting time, however, no excessive amount of additional air will be entrained.

DISPENSING

ROCK ADMIX F1/1 can be added to the gauging water prior to its addition to the dry mix or separately to the freshly mixed concrete (on the batching plant or on site into the truck mixer).

ECOLOGY, HEALTH AND SAFETY

ECOLOGY

Do not dispose of into water or soil but according to local regulations.

TRANSPORT

Non-hazardous.

SAFETY PRECAUTIONS

Contains material, which may in certain cases cause skin irritation: Cleanliness is required. In case of skin contact, wash thoroughly with soap and water:

In case of eye contact, flush with water for 15 minutes, contact a Physician: wash clothing before re-use.

TOXICITY

Non-Toxic under relevant health and safety code



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CONSTRUCTION