Admix CF 570

ADMIXTURES & CONCRETE RELATED PRODUCTS

HIGH-RANGE WATER REDUCING / RETARDING / SUPERPLASTICIZING ADMIXTURE

PRODUCT

Admix CF 570 is formulated from synthetic polymers and designed as a multi-purpose naphthalene based superplasticizer.This special formulation enables Admix CF 570 to retain concrete workability for a longer time at low w/c and for hot weather concreting. It can maintain good mixture appearance without segregation or bleeding.
At intentionally higher dosages, Admix CF 570 has the effect of a set retarder.

PROPERTIES

- The high workability produced is recommended for congested reinforced structures
- Extended setting times allow effective hot weather concreting
- Allows quicker consolidation
- Improves surface appearance
- Improves pumpability
- Compatible with concrete containing pozzolanic materials

SCOPE OF USE

Admix CF 570 to ensure that rheoplastic concrete remains workable for more than 1 hour at high temperatures. Ideal for construction of dams, locks, road works, architectonic concrete, light or heavy prefabrication, ready-mix concrete, and pumped concrete.

CHARACTERISTICS

Appearance	Liquid
Color	Brown
Specific gravity at 20°C	1.22 ± 0.03
Chloride content	Zero to BS 5075
Air entrainment	Up to 1.5% depending on dosage rate and concrete mixture proportioning
VOC and formaldehyde content ISO/FDIS 11890-2/GC-MS	None (<10µg/l)

APPLICABLE STANDARDS

Admix CF 570 complies with:
ASTM C 494 – Type D & G.
BS 5075 Part 1, BS EN 934, Part 2.

INSTRUCTIONS FOR USE

Admix CF 570 is totally miscible in water. It is to be added to the concrete mixture during the mixing cycle at the same time as the mixing water. No extension to normal mixing time is necessary.

DOSAGE

Trials should be conducted to determine the optimum dosage of Admix CF 570 for a particular mixture. A dosage of 1100 ml to 2000ml per 100kg of cementitious materials is recommended.
Dosage greater than the above recommended values could be incorporated up to 2200 ml per 100 kg of cementituous materials. Still, the required dosage for a specific job conditions with controlled delay in setting and workability should be determined by in-situ trial batches.

EFFECTS OF OVER DOSING

A severe over dose of Admix CF 570 will result in the following:

- Delay in setting
- Increase in air content
- Higher workability

COMPATIBILITY

Admix CF 570 can be used in all types of portland cement, sulfate-resisting cement, and concrete made with cementitious materials. Admix CF 570 should be dispensed directly into the mixer and should not be pre-mixed with other admixtures. If other admixtures are to be used in concrete containing Admix CF 570, they must be dispensed separately. Consult the company's Technical Dept. for advice.

SPECIFICATION CLAUSE

Admix CF 570 a high-range water reducing and retarding plasticizing concrete admixture manufactured to the following specification:
Admix CF 570 can be used in all concrete as mentioned at dosage between 1100 to 2000 ml per 100 kg of cementitious materials in accordance with the manufacturer's instructions.

Specific Gravity at 20°C : 1.210 ± 0.01
Complying with ASTM C 494 Types D & G.

Admix CF 570

Composition: High molecular weight refined synthetic polymers derivatives and other refined chemicals

DISPENSING

It is preferable that liquid admixtures for concrete should be introduced into a mixer by means of automatic dispensing equipment. Such equipment can be supplied by the company.

PACKAGING

Admix CF 570 is supplied in:
Bulk, barrels.
Storage tanks can be provided for bulk use.

STORAGE

Admix CF 570 can be stored up to 1 year from manufacturing date under cover, out of direct sunlight and protected from extreme temperatures.

HEALTH & SAFETY

In case of frost, the product recovers its properties after progressive thawing and homogenizing by agitation. In case of contact with skin or eyes, rinse thoroughly with water. If irritation persists, seek medical attention. If swallowed, do not induce vomiting and seek medical attention.

QUALITY STATEMENT

All our products are manufactured to comply with our internal QA/QC program and quality management system to ensure consistency and quality.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

NOTE

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