

RB-PC375

WATER REDUCING AND ACCELERATING SUPERPLASTICISER BASED ON POLYCARBOXYLATE

DESCRIPTION

RB-PC375 has been primarily developed for applications in the ready mixed and precast concrete industries where the highest durability and performance is required.

RB-PC375 is complies with ASTM C494 Types E and F and ISIRI 2930.

APPLICATION FIELDS

The excellent dispersion properties of RB-PC375 make it the ideal admixture for precast and ready mixed concrete where low water cement ratios are required. This property allows the production of very high early and high ultimate strength concrete with minimal voids and therefore optimum density in cold region. Due to the strength development characteristics the elimination or reduction of steam curing in precast works may be considered as an economical option.

FEATURES

- high workability without segregation or bleeding
- less vibration required
- can be placed and compacted in congested reinforcement
- reduced labour requirement
- improved surface finish
- increased early and ultimate compressive strengths
- increased flexural strength
- improved adhesion to reinforcing and stressing steel
- better resistance to carbonation
- lower permeability
- better resistance to aggressive atmospheric conditions
- reduced shrinkage and creep

- increased durability

PACKAGING

RB-PC 375 is available in 220 kg drums and in 20 kg gallons.

TECHNICAL SPECIFICATIONS

- Form: Viscos liquid
- Density: Approximately 1.11 kg/l
- Color: light brown
- Chloride: according to standard
- Final impregnation: After 14 days (1 or 2 year Impregnate)
- Shelf life: 1 year in conditions protected against freezing

STORAGE

RB-PC375 should be stored in original containers and at above 5 degree of Centigrade. If frozen gradually thaw and agitate until completely reconstituted.

ATTENTION

RB-PC375 contains no hazardous substances requiring labelling. For further information refer to the Material Safety Data Sheet.

DOSAGE

The normal dosage for RB-PC375 is between 0.2 and 0.8 kg per 100 kg of cement (cementitious material).

DIRECTION FOR USE

RB-PC375 is a ready to use admixture that is added to the concrete at the time of batching.

The maximum effect is achieved when the RB-PC375 is added after the addition of 50 to 70 % of the water. RB-PC375 must not be added to the dry materials.

Thorough mixing is essential and a minimum mixing cycle, after the addition of the RB-PC375, 60 seconds for forced action mixers is recommended.

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Similar admixtures
RB-HSR 36
Rheoplast 100
Superflow 100
RB-PC440
RB-PC375-RW
Flowment 440