

BETONAC[®]-1030

HIGH-RANGE WATER-REDUCING AND RETARDING CONCRETE ADMIXTURE, BASED ON ACRYLIC COPOLYMER

Product Description

BETONAC[®]-1030 is high efficiency acrylic copolymer-based super plasticizer and is formulated to maintain workability and extend slump-flow life, while offering very high workability concrete without segregation and to achieve high-early compressive strength. It enables consistent manufacture of self compacting concrete.

BETONAC[®]-1030 is designed to produce high workability concrete and is high efficiency super plasticizer to produce virtually SCC (self compacting/consolidating) concrete, with extremely high levels of workability without segregation

Uses

It is used where ever a delay in setting time will ensure sufficient delivery, easy placement, and compaction such as in HOT WEATHER CONCRETING, where delayed and controlled set of concrete will assure sufficient placement time and improve concrete quality. BETONAC[®]-1030 extends slump life and concrete workability and provides superior concrete surface finish characteristics. It reduces bleeding and segregation where poor sand grading is unavoidable. It saves cement in the region of 10-20%. BETONAC[®]-1030 without reducing strength and can be used to produce concrete with very low water / cement ratios, while maintaining normal levels of workability.

Advantages

- **Easy pumping** - Improves workability and cohesion and extends setting time. BETONAC[®]-1030 also provides protection against delays and stoppages.
- **Insitu piling** - Easy removal of formwork and avoidance of cold joints.
- **Workability** - Virtually self-compacting and self-levelling properties. Speeds placing of concrete and construction works.
- **Improved cohesion** - Reduces bleeding and segregation where poor sand grading are unavoidable.
- **Cement saving** - Typically in the region of 10-20% and can be higher depending on aggregate used.

Technical Data

General Information

Solid contents: 40%

Chloride Content: nil

Density

1,108 g/ml

Packaging

210 kg drums, IBC containers of 1150 kg and flex containers of 20 ft.

Storage : Protect from extreme heat.

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Product Data Sheet

Product No: 01.025

pH value

7,5 (at 20 °C)

Shelf life/Stock life

At least 1 year if stored in originally sealed packaging.

Application

Dosage

Typically between 0.6% to 1.8% of cement weight, but can be adjusted to meet extended spectrum of concrete performance requirements. It is recommended to add BETONAC®-1030 to the concrete delayed after water is applied and concrete mix is watered by automatic dispensing equipment.

Compatibility

COMPATIBILITY WITH OTHER ADMIXTURES

It is recommended not to use with naphthalene and melamine-based concrete admixtures.

Pretesting of concrete is recommended to optimize dosage rate, addition times in batch sequencing and concrete performance.

Important Note

BETONAC®-1030 complies with ASTM C 494 -Type A, D and G.

Complies with DIN EN 934-2 and does not contain chloride.

Legal notes

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