

BETONAC[®]-BVP1

HIGH-RANGE WATER-REDUCING & RETARDING CONCRETE ADMIXTURE

Product Description

BETONAC[®]-BVP1 is a high efficiency polycarboxylate based super plasticizer and is formulated to 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.

Uses

BETONAC[®]-BVP1 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.

It is used where ever a longer delay in setting time will ensure sufficient delivery, easy placement, and compaction such as in HOT WEATHER CONCRETING, where delayed and controlled set will assure sufficient placement time and improve concrete quality.

BETONAC[®]-BVP extends slump life and concrete workability and provides superior concrete surface finish characteristics. It reduces bleeding and segregation where poor sand grading are unavoidable.

It saves cement in the region of 10% to 20%.

BETONAC[®]-BVP1 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[®]-BVP1 also provides protection against delays and stoppages.
- **In-situ piling** - Easy removal of formwork and avoidance of cold joints.
- **Workability** - Virtually self-compacting and self-levelling properties. Speeds placing of concrete at construction works.
- **Improved cohesion** - Reduces bleeding and segregation where poor sand grading are unavoidable.
- **Cement saving** -Typically in the region of 10% to 20% and can be higher depending on aggregate used.

Technical Data

Note

BETONAC[®]-BVP1 complies with ASTM C 494 Type A and G, DIN EN 934-2. It does not contain chloride.

Packaging

210 litre drums and IBC containers

Application

Dosage

Typically between 0.8 to 1.8% of cement weight, but can be adjusted to meet extended spectrum of concrete performance requirements.

It is recommended to add BETONAC[®]-BVP to the concrete mix near the end of batch sequence by automatic dispensing equipment.

LEYCOCHEM-IRAQ Baghdad

Tel.: 0750-4344200, Tel.:0770-8748222, Tel.:0781-3802151

Email: sales.leycochem.iraq@leyde.com

Email: admin.leycochem.iraq@leyde.com

www.leyde.com

LeycoChem LEYDE GmbH Germany

Industriestrasse 155

Tel.:+49(0)2236-96600-0

P.O. Box 501627

Fax:+49(0)2236-96600-10

D-50999 Köln/Cologne

Email: leycochem@leyde.com

Product Data Sheet

Product No: 01.005/2

Compatibility

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.

Legal notes

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