

BETONAC[®]-BVP

HIGH RANGE WATER-REDUCING AND HIGH EXTENDED WORKABILITY SUPER PLASTICISER ADMIXTURE

Product Description

BETONAC[®]-BVP is a high efficiency Polycarboxylate Polymer based super plasticizer and is formulated to extend slump maintenance and offering very high workability concrete without segregation and to achieve high early compressive strength. It enables consistent manufacture of self-compacting concrete.

Uses

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

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[®]-BVP 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. BETONAC[®]-BVP 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. BETONAC[®]-BVP 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 the quality of aggregate and cement used.

Standard

BETONAC[®]-BVP complies with ASTM C 494 A and F, DIN EN 206-1, 3.1,10

(ASTM C 494 requirements: Type A: water-reducing admixture, Type F: water-reducing high range admixture).

Technical Data

Calcium Chloride: Nil

Packaging: BETONAC®-BVP is available in 1100 kg IBC's or in 220 kg. drums

Storage/Shelf life: Minimum 1 year, if stored cool and not exposed to direct Sunbeam or extreme heat.

Application

Dosage

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

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

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

Compatibility

It is recommended not to use BETONAC®-BVP with Naphthalene and Melamine-based concrete admixtures.

Legal notes

Whilst information and/or specification contained herein is to the best of our knowledge true and accurate, and is based on many years of experience, we cannot accept any liability either directly or indirectly arising from the use of our products, whether or not in accordance with any advice, specification or recommendation given by us, as we have no direct or continuous control over how or where our products are applied.

LEYDE PRODUCTS are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale 01.09.2009

LeycoChem LEYDE Products Range:

- Concrete Admixtures
- Epoxies
- Water Proofing Systems
- Coatings and Sealants
- Cleaning Materials
- Roof - Tiling System
- Water Stops, Expansion Joints and Bridge Bearings

Furthermore, our **Technical Advisory Service Team** is ready to help whenever needed.