

# BETONAC<sup>®</sup>-BVS

## WATER REDUCING HIGH RANGE- SUPER PLASTICISER AND RETARDING ADMIXTURE

### Product Description

BETONAC<sup>®</sup>-BVS is a light brown ready to use aqueous solution based on organic compounds. It acts as a dispersing agent, breaking down the agglomerates of cement particles and enables water in the mix to perform more efficiently. BETONAC<sup>®</sup>-BVS delays the initial hydration of cement.

**BETONAC<sup>®</sup>-BVS is also available as a non-retarding admixture for Cold Seasons.**

### Uses

BETONAC<sup>®</sup>-BVS is designed to produce high workability concrete which is virtually self-levelling, and may be also used to promote high early and ultimate strength by facilitating large reduction of water content while maintaining workability. It is designed to delay and control the setting time of concrete up to 10 hours and more depending on the dosage used. It is used wherever a delay in setting time is required to ensure sufficient delivery, easy placement and vibration or compaction time such as in hot weather concreting, where delayed and controlled setting assures sufficient placement time and improved concrete quality.

### Advantages

- **Easy pumping** - improves workability and cohesion and extends setting time. BETONAC<sup>®</sup>-BVS 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 and construction works.
- **Improved cohesion** - reduces bleeding and segregation where poor sand gratings are unavoidable.
- **Cement saving** - typically in the region of 10% - 20% and can be higher depending on aggregate and cement used.

### Standard

BETONAC<sup>®</sup>-BVS complies with ASTM C 494 A, D and G, DIN EN 206-1, 3.1,10

BETONAC<sup>®</sup>-BVS Non-retarding (used for cold seasons) complies with ASTM C 494 A & F

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

### Technical Data

**Calcium Chloride:** Nil

**Air Entrainment:** Less than 1% additional air is entrained.

**Setting time:** Initial and final setting time depends on temperature, cement type used and dosage used.

**Packaging:** BETONAC<sup>®</sup>-BVS is packed in 220 kg drums and in 1100 kg IBC's

**Storage / Shelf life:** BETONAC<sup>®</sup>-BVS has a minimum shelf life of 1 year if stored in originally sealed packaging. It should not be exposed to direct sunbeam and protected against frost.



