

# BETONAC<sup>®</sup>-1030

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

### Product Description

BETONAC<sup>®</sup>-1030 is a high efficiency Polycarboxylate Polymer 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<sup>®</sup>-1030 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

### Uses

BETONAC<sup>®</sup>-1030 is used whenever a longer delay in setting time is required to 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<sup>®</sup>-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%-25% without reducing strength.**

It can also 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<sup>®</sup>-1030 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 grading are unavoidable.
- **Cement saving** - Typically in the region of 10%-25% cement saving can be even higher depending on the quality of aggregate and cement used.

### Standard

BETONAC<sup>®</sup>-1030 complies with ASTM C 494 Type A, D and G, DIN EN 934-2.

(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).

### Technical Data

**Calcium Chloride:** Nil

**Solid contents:** 40%

**pH value:** 7.5 (at 20 °C)

**Packaging:** Available in 220 kg drums or 1100 kg IBC's.

**Storage/Shelf life:** At least 1 year if stored in originally sealed packaging and protected from direct sunbeam and extreme heat.

