



# SIDDHI VINAYAK CONSTRUCTION CHEMICAL PVT. LTD.

## TECHNICAL DATA SHEET



### CONCRETE ADMIXTURE

#### DESCRIPTION

Bond Max is a hardening agent admixture formulated to provide accelerated setting during low ambient temperatures whilst increasing early and final strengths of concrete. It also improves the workability of concrete and reduces the hydration at early final stage of cement hydration without affecting initial workability and final strength. Bond Max Hardening Agent is used as accelerator in hardening process of fly ash base all type of concrete products leading to quick set and to get high initial strength.

#### DOSAGE AND USAGE

The normal recommended dosage is between 1.2% to 1.8% by total weight of cementitious material diluted with 25% in water. The optimum dosage of Bond Max hardening agent admixture to meet specific requirement should always be determined by trials using the materials and conditions that will be experienced in use. Stir well before use.

#### ADVANTAGES

- Improve workability
- Early form removal or early use of concrete.
- Good adhesion
- Increases early and latter age compressive strengths.
- Low shrinkage
- Improve surface finish
- Denser & less permeable concrete.
- Excellent durability
- Bleed reduction due to the greatly improved setting times.
- High initial strength
- Reduces water curing period
- Accelerated setting time.

## PACKAGING

- HDPE BAG

## SELF LIFE

12 months from date of production if stored properly in undamaged unopened and original sealed packaging.

## STANDARDS

- IS 9103:1999
- ASTM C 494

## HANDLING AND STORAGE

Store in a moist free, cool and dry conditions. Protect from direct sunlight and frost. Handle the product(s) very carefully during transportation.

## LIMITATIONS

Bond Max shall not be added to dry cement. Dosage beyond limits can be used to meet particular mix requirements in consultation with SVCC technical department. Over dosage may cause delay in the setting time and segregation.

## PROPERTIES

- Chemical Name: ~Polymer base
- Appearance: ~light brownish granules powder
- Solubility: ~Water soluble
- Density: ~1.07KG/L at 25°C
- Drying Loss[%]: ~Maximum 1.0%
- Solid Content [Weight]: ~90.0±1.0%
- pH{value(23°C) 25% of water solution}: ~>6.3
- Chloride Content: ~Below 200ppm.

## SAFETY PRECAUTIONS

Bond Max is non-toxic and nonflammable. Splashes on eyes has to be immediately washed with plenty of water and seek medical advice.

Wear all PPEs at the time of the application like safety boots, goggles, hand gloves and masks. Avoid contact with skin and eyes. Any direct skin contact with the products should be washed off thoroughly with soap and water.