



SIDDHI VINAYAK CONSTRUCTION CHEMICAL PVT. LTD.

TECHNICAL DATA SHEET



FAST SETTING ADMIXTURE

DESCRIPTION

Bond + Ultra-Fast Setting Admixture is a hardening accelerator that increases the early strength of flyash bricks without affecting the initial workability and final strength. Bond + Ultra is used as accelerator in hardening process of flyash bricks, leading to quick set and to get high initial strength in flyash bricks.

DOSAGE AND USAGE

The normal recommended dosage is between 0.75% to 1.2% by total weight of materials diluted with 12% in water. The optimum dosage of Bond + Ultra-Fast Setting 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

- Rapid set time
- Improve workability
- Good adhesion
- High early compressive strength
- Reduce final set time
- Low shrinkage
- Improve surface finish
- Reduce bleeding
- Excellent durability
- High initial strength
- Reduces water curing period

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

The material is highly hygroscopic in nature. 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 + Ultra-Fast Setting Admixture 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 powder
- Solubility: ~ Water soluble
- Density: ~1.15KG/L at 25°C
- Drying Loss[%]: ~ Maximum 1.0%
- Solid Content [Weight]: ~94.0 ±1.0
- pH{value(23°C) 12% of water solution}: ~>6
- Chloride Content: ~Below 200ppm.

SAFETY PRECAUTIONS

Bond + Ultra-Fast Setting Admixture 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.