



SIDDHI VINAYAK CONSTRUCTION CHEMICAL PVT. LTD.

TECHNICAL DATA SHEET



Superplasticizer Concrete Admixture

DESCRIPTION

Creto Plast Superplasticizer Is The Result Of Sophisticated Chemical Engineering. Creto Plast Superplasticizer Operates On A Molecular Level, Adsorbing Onto Cement Particles And Deploying A Steric Repulsion Effect That Wards Off Clumping. Creto Plast Superplasticizer Not Only Ensures A Smooth And Workable Mixture But Also Significantly Reduces The Water Demand Of Concrete. And Creto Plast Superplasticizer Providing Excellent Fluidity Retention Performance Ideal For High-Rise Structures.

DOSAGE AND USAGE

The normal recommended dosage is between 0.3% to 1.2% by weight of cementitious material. The optimum dosage of Concrete Guard 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

- Creto Plast Produces High Quality Durable Concrete.
- Increase early and ultimate compressive strength with normal setting.
- Creto Plast Powerful Plasticizing Action With An Improved Initial Work Ability, Easier Placing And Faster Strength Development.
- Produces concrete with high levels of workability without segregation.
- Creto Plast Reduces Water Cement Ratio To The Maximum Which Allows Production Of High Strength Concrete.
- Creto Plast Capability Of Delivering High Performance Concrete At Any Time To The Job Site In Place.
- It Can Be Either Used Alone Or After Compounded With Other Additives To Make Special Concrete Such As Pumping Concrete, Ready Mix Concrete Etc.

PACKAGING

- 230 Kgs HDPE barrels.
- 50 Kgs HDPE Rocket jar.

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

Creto plast 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: Brown Liquid
- Specific Gravity: 1.16 ± 0.02 @ 27°C
- Ph value at 23°C : > 6
- Density: 1.16 Kg/L at 25°C
- Solubility: completely soluble in water
- Viscosity (cps): 150 at 28°C
- Solid content [% Weight]: $\sim 25 \pm 1.0\%$
- Chloride Content below 200ppm.

SAFETY PRECAUTIONS

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

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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.