



SIDDHI VINAYAK CONSTRUCTION CHEMICAL PVT. LTD.

TECHNICAL DATA SHEET

CRETE-MAXTM

Superplasticizer Concrete Admixture

DESCRIPTION

Crete-Max Superplasticizer Concrete Admixture An Advanced Admixture Allows The Reduction Of The Water To Cement Ratio Without Affecting The Workability Of The Mixture. It Also Enables The Production Of High Strength And High-Performance Concrete.

- To Obtain A High-Quality Concrete Mix With Accelerated Strength Development And Extended Workability Without Delayed Setting Characteristics.
- To Provide A Concrete Mix With Exceptional Placing Characteristics And Accelerated Cement Hydration For Early Strength Development And High-Quality Concrete.
- To Provide Improved Durability By Increasing Ultimate Strengths And Reducing Concrete Permeability.

DOSAGE AND USAGE

The Normal Recommended Dosage Is Between 0.4% To 1.6% By Total Weight Of Cementitious / Binder Material, Diluted With 50% Water . The Optimum Dosage Of Crete-Max Superplasticizer Concrete 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

- Improves high glossy surface smooth finish.
- Early De Shuttering Will Result In Increased Productivity.
- Crete-Max Superplasticizer Concrete Admixture Provides High-Quality Durable Concrete.
- Minimizes Damage Due To Early Handling.
- Crete-Max Superplasticizer Concrete Admixture Powerful Plasticizing Action With An Improved Initial Workability, Easier Placing And Faster Strength Development.
- Self-Curing Resulting In Elimination Of Water Curing.
- Crete-Max Superplasticizer Concrete Admixture Reduces Water/Cement Ratio To The Maximum That Allows For The Production Of High Strength Concrete.

- Reduces Efflorescence.
- Crete-Max Superplasticizer Concrete Admixture Capability Of Delivering High Performance Concrete At Any Time To A Job Site

PACKAGING

- 25 KG 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

Crete-max Super Dispersant 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: ~ 1.01 KG/L at 25°C
- Drying Loss [%]: ~ Maximum 1.0%
- Solid Content [Weight]: ~ 98.0 ± 1.0
- pH {value(23°C) 50% of water solution}: ~ >6.5
- Chloride Content: ~ Below 200ppm.

SAFETY PRECAUTIONS

Crete Max Super Dispersant 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.