

WATER REDUCING SUPER PLASTISIZER CUM INTEGRAL WATERPROOFING CONCRETE ADMIXTURE

SUNKEM PLAST SUPER is a chloride free water reducing super plasticizer cum integral waterproofing concrete admixture. These are based on selected high molecular organic polymers which when dissolved in water to provide ions with very high negative charges to allow better attraction of cement particles and adsorbed in sufficient number to form a complete monolayer around them.

ADVANTAGE

SUNKEM PLAST SUPER a high range super plasticizer admixture.

- * Import extreme workability without addition of extra water to produce flowing, bleed free, homogeneous concrete which can be poured effortless into place around congested reinforced structure with little or no vibration to achieve optimum compaction.
- * Allow large reduction of the water content without loss of workability. This leads to higher concrete density and strength.
- * Permits a simultaneous increase in both workability and strength without incurring substantial extra cost. Suitable for the construction industry to enable early stripping of form work ensuring speedy construction.
- * If reduces the internal friction and thixotropy of the mix to a minimum without the risk of segregation thereby making puming operation more efficient.
- * Beneficial effect on long term durability, permeability and a reduction in the rate of carbonation to protect the reinforcement from corrosion.

USES

- * Casting mass concrete with heavy reinforcement where self compaction and moderate workability retention is required.
- * Pouring of concrete at normal or elevated temperatures.
- * Suitable for use any grade of concrete bellow and above ground levels.
- * High range water reductions minimize shrinkage or cracking, thereby producing closed textured, integrated water proofness with improved durability even in aggressive atmospheric conditions.
- * Suitale for use in priestesses structures, precast Industries as well as repairing structures.



INSTRUCTIONS FOR USE

MIXING

SUNKEM PLAST SUPER is supplied in ready-to-use form and should either be premixed with gauging water or added directly into the mixer at the same time as the water. For best results mix the concrete for 3-5 minutes depending on power and volume of mix.

IMPORTANT NOTE

- i) Hand mix generally be avoided except small quantities.
- ii) The optimum dosage should be determined by site trials with actual ingredients in a particular concrete mix.
- iii) Admixtures should not be added to the dry cement in any case for better dispersions it should be diluted with about 10% of total mixing water.

TECHNICAL DATA

Form : Liquid, free from Chlorides.

Colour : Brown.

Base : Modified high molecular SNF

Type : Superplasticizer / Water reducing agent-cum waterproofing concrete admixture.

Conforms to : IS-9103-1979, ASTM-494 & IS-2645-1975.

Air Entrainment : Nil to marginal

Dosage : 200 ml.- 750 ml. per 50 Kg. of cement. Depending upon the nature of work.

Shelf Life:12 months if stored unopened in original container at normal ambient temperature.

Toxicity:Non toxic but avoid inhalation.

Handling:Presents no fire or health hazards.

Packing:Available in 25/100/200 Ltrs. drum.

