

SUNKEM PLAST R

WATER REDUCING CUM SET RETARDING CONCRETE ADMIXTURE

SUNKEM PLAST - R is a high performance water reducing cum set retarding concrete admixture based on selected organic polyemers which when added delay the initial setting properties of concrete and a simultaneously increasing workability. Slow dispersion of heat evolved by by addition of SUNKEM PLAST - R prevents cold joints in mass concreting and is very useful for transportation or placing of concrete for longer distance and or to retain ther workability of concrete particularly in hot weather conditions

ADVANTAGE

The addition of SUNKEM PLAST - R provides the following beneficial properties.

- * Increase setting time at elevated temperature.
- * Improve workability and flow properties without increasing water.
- * Prevent rapid slump loss (higher retention)
- * Increase ultimate strength without addition of cement content or loss of workability.
- * Reduce segregation, bleeding shrinkage or creep.
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- * Avoid cold joints thus monolithic concrete texture.
- * Produce a highly impermeable concrete structure for a permanent protection from water ingress.

USES

- * Ready mix concrete manufacturing units.
- * Transportation of concrete to longer distance or delayed placing.
- * Chimneys, High rise buildings, Using slip form shutters, Towers.
- * All structural, concrete placing at elevated temperature.
- * Mass concrete pours to avoid cold joints.
- * Offshore construction and pilling works.

INSTRUCTION FOR USE

MIXING

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





CONSTRUCTION CHEMICALS

IMPORTANT NOTE

- i) Since the retardation of setting time depend upon the type of cement, mix proportion, prevailing temperature etc. the exact quality of admixture to be added should be predetermined and strictly adhered to.
- ii) Hand mix generally be avoided except small quantities.
- iii) The optimum dosage should be determined by site trials with actual ingredients in a particular concrete mix.
- iv) Over dosing may cause prolong retardation but will not effect the ultimate strength or durability.

TECHNICAL DATA

Form :Liquid, free from Chlorides.

Colour : Dark Brown.

Base :Modified high mol. Organic polymer.

Type : Set retarding plasticizer for concrete.

Conforms to : IS-9103-1979 AND ASTM-C-494

Sp. Gr. : 1.15.±0.02

Air Entrainment : Nil to marginal

Dosage : 0.4- 1% . of cement (depend upon the nature of work)

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

Toxicity : Non toixc but avoid inhalation.

Handling : Presents no fire of health hazards.

Packing : Availabl 200 kg Drum.

