

SUN D FROST

HIGH PERFORMANCE ANTI-FREEZE ADMIXTURE

GENERAL

In cold weather concreting, concrete undergoes freezing and hence cannot develop the required compressive strength due to lack of hydration.

DESCRIPTION

SUN D FROST protects concrete from freezing until it has attained a compressive strength of at least 3.5 N/mm². This concrete then does not get affected by the exposure to a single freezing cycle.

APPLICATIONS

- Follow ACI 306 guide to cold-weather concreting.
- It is recommended that the placement takes place in conditions above a wind chill of 15 oF or higher. Proper wind barrier should be utilized.
- This material can be used with any cement i.e. OPC or Pozzolanic cement. Use minimum 6 bags. The addition of this material should be done in gauging water.
- Suitable dispensers or measuring devices shall be used for mixing.
- Depending upon the ambient temperature at site, preliminary site trials shall be conducted to decide the correct dosage.

SALIENT FEATURES

- SUN D FROST is an organo-inorganic material and does not have any chlorides. Hence it is free from corrosion inducing properties in concrete.

- It is compatible with all types of cements and other admixtures.
- Set time reduction up to 60%.
- Improved surface durability.
- Early form removal for quicker form turnover.
- After placements, the need for insulating blankets, straw or visqueen is eliminated.
- No surface discoloration caused by calcium chloride or blanketing.

TECHNICAL DATA

- Type of Admixture : Anti freeze admixtures free from chlorides
- Dosage : Approx 3-8% of cement weight, depending upon the degree of ambient temperature.

PACKING

- 20, 200 Kgs. HDPE containers.

STORAGE & SHELF LIFE

- It has a shelf life of 12 months when stored in original packing in a cool, dry place.

DISCLAIMER

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