



HIND PLAST SUPER^(TM) ANTI FREEZE

PRODUCT DATA SHEET

ANTI FREEZE ADMIXTURE FOR COLD WEATHER CONCRETING

DESCRIPTION

Hind Plast Super^(TM) Anti Freeze is a liquid admixture based on aqueous solution of inorganic salts for producing high quality concrete at low temperatures especially in cold weather conditions.

USES

Hind Plast Super^(TM) Anti Freeze is used under cold weather conditions such as, when slight frosting takes place during day time, if frosting is expected overnight, Cold waves periods is expected and if work gets stopped under general normal conditions.

ADVANTAGES

- It improves workability without addition of excess water.
- Highly frost resistance.
- Water reduction without losing workability and improvement in concrete Compressive Strength.
- Chloride free and protects reinforcement from corrosion.
- **Very effective for cold weather concreting as it functions as an Anti Frost/Freeze Agent.**

APPLICATION

The recommended dosage is **1% by weight of Cement/binder**. **Hind Plast Super^(TM) Anti Freeze** admixture is to be added directly with part gauging water prior to its addition to the wet aggregate cement mix. It is always advisable to carry out site trial mixes to establish the exact dosage as per site requirement.

PROPERTIES

Aspect	Yellow/Straw to Clear Liquid
Specific Gravity	1.20 ± 0.05 at 27° C
pH	≥ 6
Chloride Content	Nil as per BS: 5075

Precautions : While concreting is done in cold weather conditions the below mentioned points should be given attention.

- Formwork used to be free from water, snow or ice. Formwork should be designed and should function as a thermal insulator. If required it should be pre- heated to minimum 0° C.
- Concrete temperature to be maintained at minimum 5° C.
- **Hind Plast Super^(TM) Anti Freeze** if gets frozen, the drum should be thawed gradually in heating environment (No direct heating against flame). The properties of the admixture remain unaffected after it gets completely thawed.
- The concrete is to be protected from loss of moisture and heat by providing covering and insulation.

SHELF LIFE

12 months from the date of manufacture in unopened condition. Should be stored in a cool dry place at temperatures ranging between **- 5⁰ C and + 40⁰ C**. It should be protected from direct sunlight and frost.

PACKING

20 Kg. or as required.

HANDLING PRECAUTION

Hind Plast Super^(TM) Anti Freeze is non-toxic and ingestion is to be avoided. Any splashes to the skin must be washed with water. If contact with eyes occurs, wash well immediately with water and seek medical advice.

Note:

- **Hindcon Chemicals** maintains a team of technically trained professionals to provide full support to your problems in construction, and recommend the correct product to suite your specific requirements. Our authorized applicators can attend your site for application of the products.
 - The content of the Technical datasheet are for general information and guideline. The result shown here are generated from our laboratory or from our site experiences.
 - Quality of our products are maintained as per ISO9001:2008 recommendations and continuous researches. The behavior can change as per the prevailing conditions at the time of applications.
 - Since **HINDCON CHEMICALS LIMITED** has no control over the use to which the users may put the material, it does not claim or warrant that in the user's particular circumstances, the result that the user will obtain from the product will be the same as those described in this communication or that the user will find the information or recommendations complete, accurate or useful. The client must test and ascertain the safety and fitness for the product for use.
 - The right to change the properties of the products is reserved with us. The proprietary rights of third parties must be observed. All orders are accepted subject to the terms of sale and delivery. Users must always refer to the most recent issue of the latest Data Sheet for the product concerned, copies of which will be supplied on request.
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