



HIND FLOW SET 1000

PRODUCT DATA SHEET

HIGH EARLY STRENGTH AND ACCELERATING TYPE ADMIXTURE FOR CONCRETE

DESCRIPTION

Hind Flow Set 1000 is a new generation polycarboxylic ether-based chloride free, hardening accelerating admixture for concreting in normal and hot weathering conditions. It has been developed to obtain high early strength as per requirement without affecting the initial workability of concrete. It conforms to **IS 9103: 1999 & ASTM C 494/C49M -11, Type C.**

USES

Hind Flow Set 1000 is recommended for use in concrete of all types especially for concrete where high early strength is required at normal and hot weather conditions is prevailing.

ADVANTAGES

- To achieve high early strength.
- The finishing operations on flat work surfaces becomes faster.
- Earlier post- tensioning work can be done.
- Most Effective with Type I/II/III cements.

APPLICATION

For Precast Concrete

Hind Flow Set 1000 when used for precast concreting attains high early strengths as per requirement. Curing time is reduced and quality of concrete is improved.

- Enhances setting time of concrete thus steam curing is not required saving energy costs.
- Increase in early strength allowing faster availability of moulds for increase in production per day.
- On its use Type III cement can be replaced.

Concreting in Cold Weather Conditions

Hind Flow Set 1000 possess an unique hardening accelerating properties which is very effective when high early strength of concrete is desired and use of rapid hardening compound like Calcium Chloride is prohibited.

- Early stripping of formwork and reuse of the same increases productivity.
- Reduction in the cost of heating and insulation.
- Speedy completion time and structural use is achieved due to accelerated strength gain.

Hind Flow Set 1000 is absolutely chloride free resulting to no corrosion of the reinforcement used in concrete.

Hind Flow Set 1000 when used as per recommended dosage, reduces the need for cold weather concreting practices as per guidelines of ACI 306.

The recommended dosage is 0.5 to 2.0 % by weight of cement. It is advisable to carry out trial mixes to establish the exact dosage rate required. It is compatible with all types of cement. **Hind Flow Set 1000** is to be added to wet concrete after 70-80% of the mixing water is added. At no time it is recommended that it should be added to dry aggregate and cement.

PROPERTIES

Aspect	Transparent to Light Brown Liquid
Specific Gravity	Ranges from 1.02 to 1.18 \pm 0.02 at 27 ⁰ C
Chloride content	< 0.1 % (Considered to be Nil as per IS:456)
pH	\geq 7

SHELF LIFE

Best before 12 months from the date of manufacture in unopened condition. Should be stored in a cool and dry place away from direct sunlight at temperature ranging between 2⁰ C (Min.) and 35⁰ C (Max.)

PACKING

225 Kg. HDPE Containers or as required.

HANDLING PRECAUTION

Hind Flow Set 1000 is non-toxic but ingestion is to be avoided. Any splashes to the skin must be washed. If contact with eyes occurs, wash well immediately with water and seek medical advice. Overdosing of the material may cause delay in setting of the concrete.

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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