

# HIND PLAST SUPER™ HPC

SUPERPLASTICIZER, HIGH EARLY STRENGTH, HIGH RANGE WATER REDUCING AND INTEGRAL WATERPROOFING ADMIXTURE FOR CONCRETE & PRECAST CONCRETE



## DESCRIPTION

**Hind Plast Super™ HPC** is a new generation polycarboxylic ether based admixture conforming to **IS 9103:1999 (Amended 2003)**, **ASTM C 494, Type F & G** and **IS: 2645:2003**.

## USES

**Hind Plast Super™ HPC** is recommended for use in concrete of all types especially for concrete with high workability, high early and long term strength requirements with zero segregation and low water Cement (binder) ratio.

## ADVANTAGES

- Improves workability of concrete mixes with low W/C Ratio.
- Water reduction up to 25%. Higher percentage of water reduction can be achieved depending on Mix Design.
- To achieve high early strength.
- Permeability of concrete/mortar is greatly improved.
- Makes Concrete 100% waterproof.
- Curing time gets reduced, resulting to increased production of concrete.
- Especially beneficial for quality precast concrete element.
- Impervious concrete with less shrinkage resulting to early and ultimate Compressive and
- Flexural strength is achieved in comparison to use of the common traditional Superplasticiser.
- Significant increase in ultimate strength.

## APPLICATION

The recommended dosage is 0.3 to 1.5% 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 Plast Super™ HPC** 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	Light Brown Liquid
Specific Gravity	Ranges from 1.02 to 1.10 + 0.02 at 25°C
Chloride content	< 0.1 % ( Considered to be Nil)
pH	> 6

## 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 2°C (Min.) and 50°C (Max.)

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## PACKING

225 Kg. HDPE Containers or as required.

## HANDLING PRECAUTION

Hind Plast Super™ HPC 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.



## IMPORTANT NOTICE :

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 behaviour 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.

