



# HIND PLAST SUPER<sup>(TM)</sup> 160

## PRODUCT DATA SHEET

### HIGH RANGE WATER REDUCING SUPER PLASTICISER, BASED ON POLYCARBOXYLIC ETHER

#### DESCRIPTION

**Hind Plast Super<sup>(TM)</sup> 160** is a third generation Polycarboxylic ether based superplasticizer. Its high range water reducing cum slump retaining and waterproofing properties makes its especially suitable for concreting in all climatic conditions. It conforms to **IS 9103:1999** (Reaffirmed 2004) Edition 2.2 (2007-08) and **ASTM C 494, Type F** and **IS 2645:2003**.

#### USES

**Hind Plast Super<sup>(TM)</sup> 160** is recommended for use in precast concrete, piling, floor slabs, foundation and slender components with packed reinforcement, columns, beams, ceiling and cast -in-situ works.

#### ADVANTAGE

- Improves very high workability to concrete mixes without addition of extra water.
- Improves very high workability to concrete using crusher sand.
- Improves the retention of high workability with time without excessive retardation of set.
- Reduces permeability.
- Produces flowable concrete.
- Extends initial setting time without affecting the final setting time.
- Water reduction up to 30%. Higher percentage of water reduction can be achieved depending on Mix Design.
- Significant increase in ultimate strength.
- No shrinkage effect.
- It is applicable in severe atmospheric and saline conditions.

#### APPLICATION

Use **Hind Plast Super<sup>(TM)</sup> 160** @ 0.2 to 2% 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.

#### PROPERTIES

Aspect	Light Orange Liquid
Specific gravity	Ranges from 1.02 to 1.08 at 27° C
Chloride content	0.2 % (Max)
pH	≥ 6

#### SHELF LIFE

12 months from the date of manufacture in unopened condition. Should be stored in a cool and dry place away from direct sunlight.

#### PACKING

225 Kg. HDPE Containers or as required.

## HANDLING PRECAUTION

**Hind Plast Super<sup>(TM)</sup>160** 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. Overdosing of the material may cause delay in setting of the concrete.

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**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.
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## **HINDCON CHEMICALS LIMITED**

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