



HIND PLAST N

PRODUCT DATA SHEET

NORMAL PLASTICIZER CUM WATER REDUCING CONCRETE ADMIXTURE.

DESCRIPTION

Hind Plast N is a Ligno Sulphonate based normal plasticizer cum water reducer conforming to **IS: 9103: 1999**, **ASTM C 494 Type A & IS: 2645**.

USES

Hind Plast N is recommended for use in concrete floor slabs, foundation, column, beams, & pavement.

ADVANTAGES

Hind Plast N is a low cost water reducer, which can be used to get one or a combination of benefits:

- As a water reducer: Reduction in W/C ratio increases strength but reduces workability,
- Hind Plast N maintains the workability and reduces permeability.
- As a workability aid increased workability can be achieved by using **Hind Plast N** for a given water cement ratio which will increase the flow characteristic of the concrete leading to easy placement, compaction and finishing.
- Reduction of cement content: **Hind Plast N** can be used to reduce cement content to the extent of 8 to 10% by maintaining the original strength specified and workability and reducing the water content required for the given mix.

APPLICATION

The optimum dose depends on type of mix, grade of concrete, cement content and the desired workability. As a guide **Hind Plast N** is added with the mixing water prior to its addition to wet aggregate cement mix @ 0.3% 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 Portland cement and higher dosage may be used as required, with approval from engineer and consultants.

PROPERTIES

Aspect	Dark brown liquid
Specific Gravity	1.17 ± 0.02 at 27 ° C
Chloride content	0.20 % (max)
Air Entrainment	< 1% additional air is entrained.
pH	≥ 6

SHELF LIFE

12 months from the date of manufacture. Should be stored in a cool and dry place away from direct sunlight at temperature ranging between 2⁰ C (Min.) and 50⁰ C (Max.)

PACKING

250 kg in HDPE container

HANDLING PRECAUTION

Hind Plast N 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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(AN ISO 9001: 2015 COMPANY)

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