

## HIND PLAST-IWA

### PRODUCT DATA SHEET

#### INTEGRAL WATERPROOFING COMPOUNDS FOR CEMENT / MORTAR AND WATER REDUCING ADMIXTURE

##### DESCRIPTION

**Hind Plast IWA** is a Sulphonated Naphthalene Formaldehyde based, general purpose integral waterproofing admixture cum water reducing plasticizer for concrete, mortar and shotcrete mixes, bearing **IS Certification Mark IS:2645 : 2003**. It also conforms to **IS: 9103: 1999 (Reaffirmed 2004) Edition 2.2 (2007-08)**.

##### USES

For producing good cohesive concrete or mortar with adequate workability less porosity and convenience of placement, without addition of extra water. Very suitable for the precast concrete/ mortar products, as it gives fair-faced concrete/ mortar with improved ultimate strength.

##### ADVANTAGES

- Improves workability without addition of extra water.
- Permeability of concrete/ mortar is greatly improved.
- Does not affect setting times.
- Reduces shrinkage, creep and porosity.
- Provides fair- faced concrete/ mortar.
- No attack on rebar, as it is chloride free.
- Concrete/ mortar flow improves, thus suitable for congested reinforcements.

##### APPLICATION

The dosage of **Hind Plast IWA** is 0.2% by weight of cement i.e. 100 gms. Per 50 Kg bag of cement, however more accurate dosage can be obtained by laboratory and site trials by mix designing as per appropriate requirements.

##### PROPERTIES

Aspect	Dark Brown Liquid
Specific Gravity	1.17 ± 0.02 at 27 ° C
pH	≥ 6
Chloride	0.25 % (Max)
Permeability to water as per IS:2645-2003	Much below the limits of the standard
Compatibility	With all cements and quick setting compounds.

##### SHELF LIFE

18 months from the date of manufacture in unopened condition. Should be stored in a cool dry place away from direct sunlight, at temperature ranging between 2<sup>0</sup> C (Min.) and 50<sup>0</sup> C (Max.)

##### PACKING

100gms, 500 gms, 1, 2, 5, 20, 120, 250 kg in HDPE container.

## HANDLING PRECAUTION

**Hind Plast IWA** is non-toxic and ingestion is to be avoided. Any splashes to the skin must be washed with water. In extreme cold weather, if sedimentation occurs, the sealed drums should be rolled over on the ground for mixing. If contact with eyes occurs, wash well immediately with water and seek medical advice.

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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.
- 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.

## HINDCON CHEMICALS LIMITED

(AN ISO 9001: 2015 COMPANY)

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