



## HIND PUMP PRIME

### PRODUCT DATA SHEET

#### PUMPING AID AND PRIMER FOR CONCRETE PUMP IN POWDER FORM

##### DESCRIPTION

**Hind Pump Prime** is a ready to use compound in powder form easily soluble in water and is available in pre-measured plastic pack. This uniquely formulated compound consists of high performance ingredient which is very effectively used for priming of all types of concrete pumps instead of using the conventional slurry made of cement, sand and water. Using this compound enables a considerable cost saving and helps in protection of the concrete pump and pipeline from getting choked. With the uses of **Hind Pump Prime** the efficiency of the concrete pump and pipeline gets enhanced as the hydraulic pressure in the pump gets minimized and lubrication in the pipeline make harsh concrete mixes pass through smoothly without any hindrance, resulting to non-choking of the pipeline in continuous concreting programme.

##### USES

**Hind Pump Prime** is used as a most effective priming compound and as a pumping aid for concrete pump. It is used very effectively when concrete is pumped through long distance pipelines from the batching plant to the pouring point. The phenomenon of friction when the concrete passes through long pipelines get reduced and the lubrication effect of the compound makes concrete pass smoothly without any choking of the pump and pipeline. In the construction of Bridge Piers, Decks, Dams, Tunnel, Shafts, Well-foundation, etc., where there is huge volume of concreting involved, use of this unique compound eases out choking problems of concrete pumps.

##### ADVANTAGES

- Use of the compound reduces the friction force developed in the pipeline when concrete is pumped.
- It acts as a lubricant on the wall of the pipeline allowing harsh mix to pass smoothly.
- Reduces the risk of choking when concrete is placed by pump at higher temperature.
- Efficiency of the concrete pump gets increased.
- Cost effective and resists the wearing of pipeline.
- Ready to use only water to be added.

##### DIRECTION FOR USE

###### For Priming of Concrete Pump:

**Hind Pump Prime** when used for priming of Concrete pump, the entire pouch of **250 gm**, is to be poured at one side of the pump hopper or separately in the bucket where the slurry is being made. About to **20 to 23 Ltr.** of water is to be added to it and stirred uniformly for complete dissolution of the same. The slurry produced from one pouch will be sufficient for priming **70-80** meters length of pipeline. For a pipeline length of **120** meters, **2(two)** number pouches are to be used. Whenever additional pouches are used for priming of increased pipeline length, it is to be always ensured that extra water of **20-23 Ltr.** is added for proper dissolving of the powder and for better performance.

###### As a Pumping Aid for Stiff Mixes

**Hind Pump Prime** when used as a pumping aid for pumping stiff mixes, one pouch (**250 gm**) is recommended to be used for **1- 5** cubic meter of concrete. The content of the pouch is mixed directly into concrete produced

either by Mixture Machine or in Batching Plant and is made to be mixed for **5-6** minutes uniformly with the concrete. It is always advised to perform prior test and determine the suitability of **Hind Pump Prime** in concrete, because it absorbs water for hydration and this may have an adverse effect on concrete produced with Superplasticiser at low W/C ratio.

## PROPERTIES

Aspect	White Powder
Dosage	a) When used for priming of pump, a 250 gm. Pouch pack is to be added to 20 to 23 Ltr of water, producing slurry of desired consistency for priming 70-80 meter length of pipeline.  b) When used as a pumping aid for stiff mixes, a 250 gm. Pouch pack is to be added to 1-5 cubic meter of concrete. It is always recommended for doing prior testing of the same before adding to concrete to get desired result in terms of workability and strength
Chloride Content	Nil – As per B.S – 5075 (Part – 1)

## SHELF LIFE

Best before 12 months from the date of manufacturing in unopened conditions. To be stored in a cool and dry place away from direct sunlight at temperature ranging between 2<sup>0</sup> C (Min.) and 50 <sup>0</sup> C (Max.)

## PACKING

Available in 250 gms. Plastic pouch pack.

## HANDLING PRECAUTION

**Hind Pump Prime** is non-toxic but ingestion is to avoided. 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.

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(AN ISO 9001: 2015 COMPANY)

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