



## HIND GROUT SST

### PRODUCT DATA SHEET

#### READY TO USE ADDITIVE IN POWDER FORM

#### DESCRIPTION

**Hind Grout SST** is single component, sodium bentonite based ready to use additive available in powder form. It possesses high bonding, good swelling and gelling properties for placement of the grout in low viscosity state. It also has a very good cationic exchange capacity. **It conforms to IS 6186-1986 (Reaffirmed 2003)**

#### USES

**Hind Grout SST** can be used as an additive for:

- Concrete and masonry foundation walls
- Concrete Piling work.
- Rock and soil Stabilization and effective ground water sealing.
- For injection grouting in underground structures, Basement, Tunnel, Lift wells, Water Reservoir, Dams, Manholes and other water retaining structures

#### ADVANTAGES

- Reduces water permeability.
- No heat is generated during the curing period resulting no damage of the casings.
- Aquifer is protected from surface water intrusion.
- Remains flexible and stable over a long period of time.
- Ready to use and easy application..
- Environmental friendly and non hazardous

#### APPLICATION

Add 50 litre of clean water to a 20 Kg bag of **Hind Grout SST**. Mixing to be done thoroughly for 5-7 minutes using a drill fitted with a stirrer, until a uniform consistency is obtained. The slurry formed to be injected within a time limit of 45-50 minutes with pump. Ensure that injection grouting is completed with the schedule time otherwise the pump hose will get clogged.

#### PROPERTIES

Aspect	Light Yellowish Powder
Moisture present by mass	6-12% (typical)
Specific Gravity	2.0 -2.5 gm/cm <sup>3</sup>
Bulk Density	880 Kg/m <sup>3</sup>
pH	8 ± 1
Particle Size Distribution	15% retained on 150µm
Swelling Index	8-20 times
Viscosity	19 cps -20 cps
Water Absorption	662 (on sinter plate)
Cation Exchange Capacity	78.55 meq /100 gm
Loss on ignition (%)	6 ± 1

#### PACKING

Available in 20 Kg HDPE Bag

## SHELF LIFE

**Hind Grout SST** is hygroscopic and absorbs moisture. Should be stored in a cool and dry place and in unopened conditions away from direct heat and sunlight. If care as stated is maintained a minimum shelf life of 5-7 years can be obtained. Do not keep used bags mouth open, always ensure that it is properly tied up to avoid ingress of moisture.

## HANDLING PRECAUTION

**Hind Grout SST** is non-toxic and ingestion is to be avoided. Contact with eyes must be avoided. Use of Hand gloves is recommended.

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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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