



HIND GEO GROUT

PRODUCT DATA SHEET

POWDER POLYMER BASED GROUTING COMPOUND FOR SOIL STABILIZATION

DESCRIPTION

Hind Geo Grout is a blend of water soluble, high molecular weight polymers, supplied as a white free flowing compound in granular form. When added to water it reacts chemically to form a thixotropic gel. The gel is poured into the formwork before concreting which penetrates into the fissures of the soil strata at various level and stabilizes the loose soil from collapsing. **Hind Geo Grout** is an effective grouting compound and its penetration into the different layers of the soil strata not only stabilizes it, but allows future plantation and greenery to be developed all around the area where it has been used.

USES

- Soil stabilization and effective ground water sealing.
- Prevents collapsing of loose soil making concreting very easy in loose soil.
- To provide a watertight, impermeable soil mass.

ADVANTAGES

- Use of **Hind Geo Grout** for soil stabilization allows future plantations and development of greenery which is restricted by use of bentonite.
- It thixotropic gel penetrates into very fine fissures of the soil strata making it to form a compact soil mass which resist collapsing of loose soil at the time of concrete placing.
- Non-toxic, very safe to handle and eco-friendly, easily soluble in fresh as well as salt water with no disposal issues.

APPLICATION

The polymer to be mixed with fresh water for 2-3 minutes. The compound starts reacting chemically with water and slowly turns into a gel like compound. This gel is now poured into the formwork which stabilizes the loose soil from collapsing. For bigger projects at the point of excavation power lines may be applied.

PROPERTIES

Aspect	White free flowing Granular Compound
Density (Kg/m ³)	1.0 to 1.05
Ionic Charge	Anionic
Solubility in water	Completely soluble

DOSAGE

The dosage rate of addition for different type of soil is given below for ready reference.

Soil Type	Initial Dosage (Kg/m ³)	Marsh Funnel Viscosity (sec)	Refreshment Dosage (Kg/m ³)	Marsh Funnel Viscosity (sec)
Clay	0.9 - >1.2	55-70	0.6 - 0.9	55-70
Medium Sand	1.0 - >1.4	60-110	0.7 - 1.0	60-110
Coarse Sand	1.3 - >1.9	70-140	0.75 - 1.2	70-140
Gravel	1.4 - >2.0	80-150	0.8 - 1.25	80-150

SHELF LIFE

Best before 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 40⁰ C (Max.).

PACKING

Available in **25 Kg HDPE Bag**.

HANDLING PRECAUTION

Hind Geo Grout is non-toxic and ingestion is to be avoided. 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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