HIND PLAST VMA

VISCOSITY MODIFYING AGENT FOR HIGH QUALITY CONCRETE

HINDCON CHEMICALS LTD.
STRENGTH UPON STRENGTH

DESCRIPTION

Hind Plast VMA is a high-molecular weight synthetic co-polymer admixture available in granular powder form. It functions as a viscosity enhancers and prevents the concrete from bleeding and segregation. It is used for injection grouting work for rock and soil stabilization. Due to the presence of finer particle size and a good plasticizing medium it penetrates deep into micro-cracks, fissures and seals all pores enabling to provide a impervious and water tight stabilized rock or soil mass.

USES

- **Hind Plast VMA** is recommended for self-compacting concrete (SCC), high flow-able concrete, pump-able concrete and concrete with high W/C ratios.
- **Rock and Soil stabilization and effective ground water sealing.**
- **Sealing of voids in rock by injection operation.**
- **To provide a watertight, impermeable rock and soil mass.**
- Grouting of anchor bolts of machine foundation and columns.

ADVANTAGES

- It possesses outstanding anti-bleeding & anti-segregation properties.
- On its addition it does not affect the flow properties of concrete/grouts used for soil stabilization.
- Low dosage, improved fluidity thus sealing micro-cracks, fissures and pores.
- It mixes with concrete/soil mass rapidly resulting fast action.
- **Ideal compound for rock and soil stabilization.**
- Compatible with all types of admixtures.
- Fast setting helps in speedy operation of construction activities.
- Very economical and durable.
- Non-toxic and safe to handle and non-hazardous.

APPLICATION

Hind Plast VMA should be dissolved to a 1% solution and should be stirred properly before using as a concrete admixture. **Hind Plast VMA** can also be used in conjunction with **Cement, Fly Ash/GGBS, Admixture** for rock/soil stabilization work and the **dosage for its use ranges between 0.05% to 0.30%** by weight of total cementitious binder weight. However exact dosage is to be ascertained by trials at site. The **initial trial dosage is 0.10%** and can be increased to **0.20% to 0.30%** if required and to achieve the desired result.

PROPERTIES

Aspect	White colored powder, granule.
Drying Loss (M%)	Ranges from 1.05 to 1.25 at 27°C
Chloride content	14.0 (Max)
pH	6.0 to 9.0

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PACKING

25 Kg. in HDPE Bag or as required.

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 2°C (Min.) and 50°C (Max.)

HANDLING PRECAUTION

Hind Plast VMA is non-toxic and ingestion is to be avoided. Any contact with the skin must be washed with water. If contact with eyes occurs, wash well immediately with water and seek medical advice.

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IMPORTANT NOTICE :

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 behaviour 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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