



HIND EMETOP NM

PRODUCT DATA SHEET

NON METALLIC ABRASION RESISTANT INDUSTRIAL FLOORING COMPOUND

DESCRIPTION

Hind Emetop NM is a factory processed and specially graded non-oxidising, non-magnetic, non-metallic and chemically inert mineral aggregate floor topping free from oil and grease.

USES

Hind Emetop NM when trowelled into the surface of concrete floors forms a toughened hard-wearing surface suitable for industrial use. It is recommended for factory floors, warehouse, hangers and car parks that are subjected to heavy traffic and high concentration electrical installations.

ADVANTAGES

- Provides build in wear resistance and produces high abrasion resistant floor surface.
- Extreme surface density resists oil and water penetration.
- May be used for areas in the open and continuously wet.
- Non-rusting and easy maintenance.
- Fast construction with minimum site costs for materials handling and non-bonding problems.

APPLICATION

Hind Emetop NM is dry mixed in the ratio of 2:1 with cement, broadcast evenly over the surface of freshly laid concrete and then trowel led to an uniform and smooth finish. The floor concrete should be structurally sound and placed in accordance with good concrete practices. The Water: Cement ratio should be kept to a minimum consistency with the need to produce a fully compacted concrete without excess water coming to the surface. Particular care must be taken at the corners and edges of bays, hand ramming and firm trowelling being carried out to ensure that the level can be maintained throughout the subsequent trowelling operations.

Two bags (100kg) of **Hind Emetop NM** one bag (50 kg) of Portland cement should be thoroughly dry mixed on a clean, flat surface. Water must not be added.

The **Hind Emetop NM /Cement** mix should be broadcast in two equal stages evenly over the surface of freshly laid concrete as soon as the surface water has evaporated. Immediately after each stage of broadcasting of **Hind Emetop NM /Cement** mixture the first trowelling should be carried out, either by hand or by means of a power float. When the surface has sufficiently stiffened a second trowelling should be given to close any pores and remove any undulation in the surface. This be followed by a final hand trowelling to remove any disc mark. The floor must be thoroughly cured.

COVERAGE

This varies from 3 to 7 Kg per m² depending on the type of floor as follows:

Moderate Duty	3 Kg/m ²
Medium Duty	5 Kg/m ²
Heavy Duty	7 Kg/m ²

Note: The amount are for **Hind Emetop NM** only, it must be mixed with 50% Portland cement before it is applied to the floor surface. The Concrete floor on which it has to applied should be Minimum of grade M-20.

PROPERTIES

Aspect	Greyish Granular Powder.
Water Absorption	1-2%.
Improvement of Abrasion Resistance/wear Resistance	215 % - 320 % over controlled concrete (Minimum Grade of M-20). It will be tested as per IS-1237, 1980, with the sample specimen of Mortar Cake (1:2) of size 7.06 cm x 7.06 cm. x max. 35 mm. thick. It can be represented either in terms of Loss of thickness or in terms of % Improvement of /abrasion Resistance/wear Resistance with respect to the minimum loss of thickness of the sample with floor hardener.
Compressive Strength	50-75 N/ mm ² . Test as per IS-516, 1959 : applicable with M-30 to M-45 grade of concrete the dose of Hind Emetop NM will be as per the type of floor. In general Doses varies from 12-28 kg./ Cum or 3-7 kg. / Sqm. It must be sprayed over the green concrete immediately after the evaporation of bleeding water.

SHELF LIFE

18 months from the date of manufacture.

PACKING

40 Kg Polyethylene Lined Waterproof gunny bags.

HANDLING PRECAUTION

Hind Emetop NM 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 results shown here are generated from our laboratory or from our site experiences.
 - Qualities 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.
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