



## HIND FOAMEX

### PRODUCT DATA SHEET

#### FOAMING AGENT FOR LIGHT WEIGHT CONCRETE

##### DESCRIPTION

**Hind Foamex** is a foaming agent, used ideally for production of light weight concrete having a high density. The formation of hexagonal cell like structure in the concrete does not allow heat to be absorbed into the core and as a result it becomes a high end thermal insulating material.

##### USES

**Hind Foamex** is recommended for use in structures that is required to be thermally insulated and protected against the ingress of moisture, like Roof / Terrace, Basements, Masonry AC Ducts, Cold Storages, Auditorium, Hospital, Industrial Factory Shades etc.

##### ADVANTAGES

- Provides full proof thermal insulation, saving energy.
- Low permeability makes mortar or concrete waterproof.
- Imparts chemical resistance to substrate.
- Reduces or prevents salt penetration into concrete
- Due to light weight does not add extra load to roof structure.
- It has a good mechanical stability & acts as a excellent shock absorber.

##### APPLICATION

To the freshly prepared cement Slurry maintaining W/C ratio 0.6, **Hind Foamex** is added and mixed with a high speed mixer to generate foam concrete. To get the desired density of the foam concrete, light weight additives like **vermiculite** or **perlite** may be used. It also reduces the cement consumption for making cement slurry. It is recommended to mix **Hind Foamex** with water used for making cement slurry to achieve best results. Normally curing is to be carried on for 7 (seven) days. Foam concrete blocks can be used for non-load bearing partition walls in multi storied buildings as per required dimensions. To minimize the water absorption of the foam concrete, the surface may be coated/sprayed with **Hind Coat Repel**, silicon based water repellent coating. To achieve full proof waterproofing of roof, **Hind Crete Plus WPM** admixed with cement in the ratio of **1:2** in two coats to be applied over the roof surface, prior to foam concreting.

##### TYPICAL DENSITY RECOMMENDATION

CLASSIFICATION	DENSITY
Thermal Insulation/Fire Protection	250-550 Kg/m <sup>3</sup>
Void Filling	600-800 Kg/m <sup>3</sup>
Production of blocks for use in non-load bearing partition walls	800-900 Kg/m <sup>3</sup>
Prefabricated /Cast in place walls both load and non load bearing	1100-1400 Kg/m <sup>3</sup>
Slabs & higher strength loading bearing building elements	1600-1800 Kg/m <sup>3</sup>

## PROPERTIES

Aspect	Pale Orange Liquid
Specific Gravity at 27°C	1.04 ± 0.05
pH	11 ± 2
Solubility	Miscible with water in all proportions
Chloride	0.2% Max (considered to be Nil)
Dosage of Foaming Agent (Normal Dry Density 750 Kg/m <sup>3</sup> )	1.25 to 1.60 Kg diluted with 25-40 parts water

## SHELF LIFE

Best before 12 months from the date of manufacture in unopened condition. Should be stored in a cool and dry place away from direct sunlight at temperature ranging between 2<sup>0</sup> C (Min.) and 40<sup>0</sup> C (Max.)

## PACKING

20 Kg & 250 Kg Barrel.

## HANDLING PRECAUTION

**Hind Foamex** is non-toxic and prolonged skin contact should to be avoided. In case of contact with eyes occurs wash with plenty of clean water and seek medical advice. Cleaning of tools is to be done with water.

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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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