



HIND GROUT GP1

PRODUCT DATA SHEET

NON-SHRINK CEMENTITIOUS GROUT

DESCRIPTION

Hind Grout GP1 is a High Strength, Free Flowing Non-Shrink, Non-metallic and Chloride Free Grout conforming to **BS-1881, Part 116-1983**.

USES

Hind Grout GP1 is used for grouting of Bolt Pockets and Base plates grouting of all equipment, Columns in pre-cast construction concrete, Girders, Beams, Repair & Rehabilitation of Structures.

ADVANTAGES

Hind Grout GP1 is an economical and easy to use material, requiring only addition of water. It is very easy to mix and placement can be done with high flow characteristic, rapid strength development, adjustable consistency and Compressive strength up to **45N/mm² (28 days)** is achieved. It does not segregate and bleed. It is impact and vibration resistant, non-corrosive to steel and iron, non-toxic and safe to handle.

APPLICATION

All grouting areas must be free from the loose concrete, oil, grease, and dust where **Hind Grout GP1** will be placed. The grouting areas to be saturated with water and it is to be ensured that no stagnant water is present before application. Add **Hind Grout GP1** powder to clean water as per the recommended dosages. Keep on mixing with a grout or concrete mixer till a smooth and even consistency is achieved. Mixed grout should be used within 30 minutes of preparation. After initial hardening of the grout, it should be kept wet with damp hessian cloth for at least 3-7 days. Water and Powder ratio varies from **0.12 to 0.13** depending on the consistency requirement of the site. 25 Kg of the material will yield approximately 13.0 Litre of Fluid Grout and 12.0 Litre of Plastic Grout mix respectively. Placing conditions including temperature may have to be assessed before pouring the grout at site. Small trial batches may be tried to ascertain best working consistency.

Hind Grout GP1 can also be mixed with **12mm down well graded aggregate** in the ratio of **2:1 by weight (2 Parts of Hind Grout GP1 and 1 part well graded aggregate)**. When there is requirements of high volume specific application **20 mm down well graded aggregate** in the ratio of **2:1 by weight (2 Parts of Hind Grout GP1 and 1 part well graded aggregate)** can be mixed with **Hind Grout GP1**. When **Aggregates** is mixed with **Hind Grout GP1**, Water and Powder ratio varies from **0.10 to 0.13** depending on the consistency requirement of the site Placing conditions including temperature may have to be assessed before pouring the grout at site. Small trial batches may be tried to ascertain best working consistency.

PROPERTIES

Aspect	Grey Powder
Density	2200 to 2300 Kg/m ³
Expansion	0.1 to 0.5%
Compressive Strength (BS-1881, Part 116-1983)	Flowable
After 7 days	35 N/mm ²
After 28 days	45 N/mm ²

Compressive Strength with addition of Aggregates (BS-1881, Part 116-1983) (W/P 0.11)	
Percentage of Aggregates (IS 516-1959)	33%
After 7 days	38 N/mm ²
After 28 days	48 N/mm ²

SHELF LIFE

Best before 6 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

25kg in Poly lined HDPE Bag.

HANDLING PRECAUTION

Hind Grout GP1 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.
-

HINDCON CHEMICALS LIMITED

(Formerly HIND SILICATES PVT. LTD.)
(AN ISO 9001: 2015 COMPANY)

Office:

62B, Braunfeld Row, "VASUDHA", Kolkata - 700027
Tel: 24490835, 24490839. Fax: 24490849

E-mail: contactus@hindcon.com, hindconchemicals@yahoo.com

Factory:

Baniyara, Jalan Complex, Gate No.3
Howrah – 711 411. Tel: 2669 9213

www.hindcon.com