

# HIND ANCHORLOK

TWO COMPONENT POLYESTER RESIN ANCHORING MATERIAL



## DESCRIPTION

**Hind Anchorlok** is a two component polyester resin and hardener based anchoring material suitable for anchoring rods/bolts from 8mm-50 mm diameter into concrete, masonry, rocks etc. It is available in pre measured packs and when mixed and applied provides a tough thermostat resin matrix around the rod/bolt to fix it with the base.

## USES

**Hind Steel Fiber (FC)** has its uses in Concrete Slabs, Channel Lining, Water Conservancy, Tunnels, Dam Construction, Anti Ballistic Impact, Precast Concrete Elements, Extruded Roadways Structures, Industrial Floorings, Pavements, Anti earthquake designs, Highways, Roadways and Bridges, Foundation Layers, Parking Areas & Airport Runways and Railway Slippers.

## ADVANTAGES

- Fast Curing
- Gain of compressive and bond strength is very fast
- Resistant to vibrations
- Resistant to moisture and can be applied to damp areas.
- Good bond with a wide range of bases.
- Easy mixing and application.
- Non shrink.

## APPLICATION

### Surface Preparation

- The anchoring points are to be marked as per designed numbers of anchors.
- Drilling of holes to be carried out as per designed diameter and depth (A table indicating the dia. and depth is given below) by electrical rotary drill.
- The holes are to be cleaned preferably by compressed air.
- New concrete surface should be cured well for 28 days.
- The anchor bars of designed length and diameter should be properly cleaned from all rust dirt etc.

## MIXING

- The entire content of Pack –A is taken in a clean dry container suitable for stirring.
- The content of Pack- B is then slowly poured and mixed gently with the previously taken Pack- A content.
- Avoid part mixing of the components.

## POURING

- The mixed material is then poured into the holes slowly for vertical joints as per calculated quantity and the anchor bolts are inserted and agitated gently and then left undisturbed till the setting of the material. ( The material should just spill over after inserting the anchor bolt up to full depth)

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- For horizontal joints the material is to be injected deep into the drilled hole as per the calculated quantity and the anchor bolts are inserted and agitated gently and then left undisturbed till the setting of the material. ( The material should just spill over after inserting the anchor bolt up to full depth)

### CLEANING

The cleaning of tools to be done with organic solvent like Xylene.

### TECHNICAL DATA

**Table-1**

Showing recommended bore diameter and maximum pull out strength for different diameter of anchor rod/bolt for each 100 mm anchoring length.

Diameter of Anchor	Bore Diameter	Load in M.T in Concrete of grade M-20 and above
8 mm	16 mm	0.40 M.T
10 mm	18 mm	0.50 M.T
12 mm	20 mm	0.60 M.T
16 mm	26 mm	0.80 M.T
20 mm	32 mm	1.00 M.T
32 mm	51 mm	1.60 M.T
40 mm	55 mm	2.00 M.T

**Table-2**

Showing approx consumption of Hind Anchorlok for each 100 mm of anchor depth for different diameter of bolt.

Diameter of Anchor	Bore Diameter	Approx.Consumption in gms
8 mm	16 mm	30 gm
10 mm	18 mm	35 gm
12 mm	20 mm	40 gm
16 mm	26 mm	66 gm
20 mm	32 mm	100 gm
32 mm	51 mm	250 gm
40 mm	55 mm	225 gm

### PROPERTIES

	Anchorlok
Appearance after mixing	Semi Paste
Colour	Yellowish Brown
Specific gravity	2.00
Pot Life	12 mins
Setting Time at 28°C	25 mins
Compressive strength( 24 Hrs)	60 N/mm <sup>2</sup> ( Minimum)

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## COVERAGE

1 Kg pack of Hind Anchorlok will yield 0.5 Ltr.

## PACKING

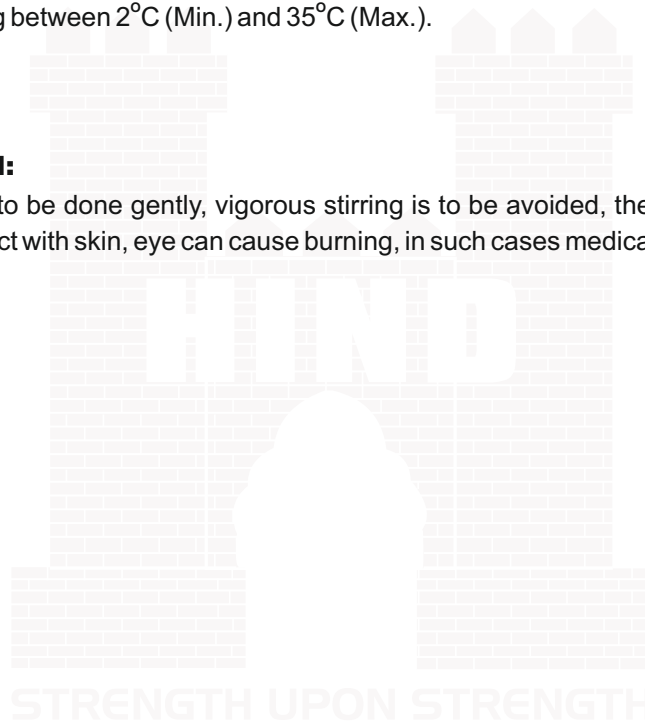
1 Kg Kit (Comp. A & Comp B)

## 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 2°C (Min.) and 35°C (Max.).

## HANDLING PRECAUTION:

The mixing of Comp-A & B is to be done gently, vigorous stirring is to be avoided, the mixed material should not be touched with bare hand. Contact with skin, eye can cause burning, in such cases medical advise should be taken.



## 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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