



## HIND BOND EBA

### PRODUCT DATA SHEET

#### HIGH STRENGTH EPOXY BONDING COMPOUND

#### DESCRIPTION

**Hind Bond EBA** is a solvent free two component epoxy resin system comprising of Pack- A and Pack-B. It contains 100% epoxy and no solvents or diluents are added into it. It conforms to **ASTM C 881-78, Type II, Grade 2, Class B & C.**

#### USES

**Hind Bond EBA** is used as a bonding agent between old to old concrete, old to new concrete, metal to concrete, glazed bricks, tiles, steel or other structural materials to old sound concrete. It is also used for joint sealing.

#### ADVANTAGES

**Hind Bond EBA** provides a bond of far better strength of concrete itself, and suitable wherever structural bonding of new to existing old concrete is required.

#### APPLICATION

Surface should be cleaned, dry and free from loose particles, oil, grease or other foreign materials. Deep contaminated concrete should be thoroughly cleaned by wire brush. Mix all the pre-weighed Pack-A with the pre-weighed Pack-B and stir thoroughly preferably with a low speed electric drill or paddle mixer for 2-3 minutes.. Apply a thin layer of **Hind Bond EBA** with brush to the existing surface, working well into the substrate. Place fresh concrete/mortar while it is still 'tacky'.

In case of using large packs, when the entire mixed quantity cannot be used at a time, contents of Pack A and Pack B is to be mixed in the ratio 2:1 by weight and consumed within 30 minutes.

#### Conditions of Application/Limitations

Temperature of the Substrate:	25 <sup>0</sup> C (Minimum) / 40 <sup>0</sup> C (Maximum)
Ambient Temperature:	25 <sup>0</sup> C (Minimum) / 40 <sup>0</sup> C (Maximum)
Humidity of the Substrate:	On moist surface, the adhesive to be brushed well into the substrate.
Temperature of the material:	The material temperature at the time of application should be between 10 <sup>0</sup> C to 40 <sup>0</sup> C.

#### PROPERTIES

Aspect (Mixed)	Greyish white colored fluid
Mixing Ratio	Component A: Component B = 2: 1 by weight
Pot Life	25-30 minutes at 30 <sup>0</sup> C (as per EN ISO 9514) Pot life starts when Pack A & Pack B are mixed. Pot life is reduced at high temperature and longer at low temperature. To get a longer pot life small portion by weight to be mixed and applied.
Open Time	45-50 minutes at 30 <sup>0</sup> C (as per EN ISO 9514)
Full Curing time at Ambient Temperature	7 days
Compressive Strength (30 <sup>0</sup> C)	60 N/mm <sup>2</sup> in 7 days (as per ASTM C 881)
Flexural Strength (30 <sup>0</sup> C)	30-35 N/mm <sup>2</sup> in 10 days (as per IS-9162 -79)
Tensile Strength (30 <sup>0</sup> C)	20 N/mm <sup>2</sup> in 14 days (as per ISO 527)
Bond Strength (30 <sup>0</sup> C)	2-3 N/mm <sup>2</sup> (Substrate-Concrete dry) (as per ASTM C 881)

## COVERAGE

**Hind Bond EBA** will cover at the rate of 0.25-0.50 Kg. per Sq. Mtr. depending upon the surface porosity, texture and working temperature.

## SHELF LIFE

18 months from the date of manufacture in unopened condition. Should be stored in a cool and dry place away from direct sunlight.

## PACKING

1.2 Kg, 3 Kg, 6 Kg. & 18 Kg Kits. All packs contain pre-measured quantity components of Pack A & Pack B.

## HANDLING PRECAUTION

**Hind Bond EBA** is non-toxic and ingestion is to be avoided. Any splashes to the skin must be washed with organic solvent like Xylene. If contact with eyes occurs, wash well immediately with water and seek medical advice. Rubber hand gloves are to be worn while handling.

While mixing and applying **Hind Bond EBA**, tools and skin contacts are to be cleaned by organic solvent like Xylene/Toluene/MEK.

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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.
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