



HIND SBR BOND

PRODUCT DATA SHEET

ACRYLIC POLYMER LATEX BASED ALL PURPOSE WATER RESISTANT BONDING AGENT & WATERPROOFING COMPOUND

DESCRIPTION

Hind SBR Bond is a milky white, non re-emulsifiable, Styrene Butadiene copolymer latex emulsion. It conforms to **IS: 2645, ASTM C-1059, Type I & Type II**. It is used in conjunction with cement as an excellent water-resistant bonding agent. It is used in mortar and concrete as a polymer modifier to provide improved abrasion resistance, high durability and total resistant/barrier to water penetration.

USES

Hind SBR Bond has wide range of uses, for bonding of old concrete with new concrete, such as interior surfaces, floors, roadways, bridge decks, ramps, runway, walkways and curbs. It is also used for repairing of spalled concrete, damaged floors/slabs and when added to cement mortar provides a water proof plaster surface.

ADVANTAGES

- Improves bond to mother substrates.
- Excellent adhesion to a wide range of substrates.
- Improves flexibility of the treated area.
- Improves mechanical properties and abrasion resistance.
- Improves chemical resistance to substrates.
- Low permeability makes mortars/concrete waterproof.
- Improves workability and adhesion of mortars.
- Strength remains unaffected.
- Prevents finished surfaces from cracking.
- Outstanding resistance to water and moisture.

APPLICATION

Surface preparation: The substrate must be structurally sound, clear and dust free, oil, grease and contaminants must be removed mechanically. Smooth surface must be scrubbed. Surface should be damped with water prior to application of the bonding primer, modified mortar or concrete. All excess water should be removed from the surface.

PROPERTIES

Aspect	Milky white
pH	7-9
Sp. Gravity	1.02 ± 0.01
Base	SBR (Styrene butadiene rubber)
Form	Liquid.
Bond Strength (ASTM C1042)	Type I 400mins > 2.8 Mpa (Dry)
	Type II 1250mins > 8.6 Mpa (after immersion)

APPLICATION & RECOMMENDED CONSUMPTION

Ingredients	Bonding Coat /Waterproof coating	Polymer Mortar for Plastering
Cement	3 to 3.5 parts by weight	10 parts by weight
Zone II Sand	Nil	40 parts by weight
10 mm nominal size Coarse Aggregates	Nil	Nil
Water	1 part by weight	4 parts by weight
Hind SBR Bond	1 part by weight	1 part by weight
Hind SBR Bond :Water : Cement	1:1 : 3	1:04:10
Coverage	0.250 to 0.50 Kg/Sqm/coat	0.45 to 0.50 Kg/Sq.m/10 mm thickness

SHELF LIFE

Best before 12 months from the date of manufacturing in unopened conditions. To be stored in a cool and dry place away from direct sunlight at temperature ranging between 2⁰ C (Min.) and 50 ⁰ C (Max.)

PACKING

1 Kg, 5 Kg, and 20 Kg. Plastic Containers

HANDLING PRECAUTION

Hind SBR Bond is non-toxic, non-flammable and ingestion is to be avoided. Any splashes to the skin must be washed with water. 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.

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