

# HIND SBR BOND

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)<br>Type II     1250mins > 8.6 Mpa (after immersion) |

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## 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                     |
| 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 2°C (Min.) and 50°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.

## 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.

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✉ contactus@hindcon.com  
☎ +91 33 24490839, 9830599113  
☎ +91 33 24490849  
📍 Kolkata, West Bengal, India

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