



# HI-BOND (SBR)

(STYRENE BUTADIENE COPOLYMER RUBBER)

## Description

**HI-BOND (SBR)** is a modified styrene Butadiene copolymer aqueous dispersion, which is specially designed for modifying hydraulically setting agents, particularly cement mixtures.

## Advantages

- Strength of adhesion to the base is distinctly improved. This allows structural bond between existing mortar/concrete and fresh mortar.
- SBR admixed (HI-BOND (SBR)) mortar is easy to work with and can be drawn to very thin layers.
- The compressive and flexural strength is increased compared to the reference mix.
- The HI-BOND (SBR) Mix mortar will increase the elasticity of the mortar and concrete and therefore prevents the formation of stress cracks in the hardened and set mortar of concrete.
- The fresh mortar is considerably plasticized mortar with a particular low water/cement ratio can be produced with the same workability as the reference mix. Thus considerably reducing the degree of shrinkage.

## Fields of Application

- ❖ Bonding slurry between hardened concrete and fresh topping of the concrete or mortar.
- ❖ Cold joints between old and new concrete can be made strong and Non-permeable with bonding slurry consisting of HI-BOND (SBR) and cement mortar
- ❖ Second component for BRUSHCOAT – P waterproofing system

## TECHNICAL SPECIFICATION:

### Properties

Color & appearance : white and viscous liquid  
Solid Content at (140/30 Min) 50-52%  
Viscosity at 23 D 40-215 mPaS  
Ph 7.8-10  
Density : 1.02g/cm<sup>3</sup>

## Precautions

All tools and equipment have to be cleaned Properly. HI-BOND (SBR) is non-toxic. Contact with eyes, skin should be avoided. When it falls on skin should be removed by washing with plenty of fresh water and medical advice has to be taken.

### **Supply**

HI-BOND (SBR) is supplied in 5Kg & 20 Kg packs.

**Shelf Life** 12 Months, If stored in cool and dry place.

### **Technical Support**

Technical Consulting Team is available at factory for 24 x 7 to support customers on request for advises or suggestions.

### **Application Division**

We are having a division for case studying, advising methodology of treatment, estimation & undertake the job on contract bases.

### **Note**

Our Products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Hindustan Construction Chemicals & Allied Products endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct. It cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it.

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