

# Talrakpolybond® SB

Styrene butadiene rubber based multipurpose polymer bonding agent  
cum cement mortar modifier for mortar and concrete



The Construction Alchemists

## Description

Talrakpolybond® SB is styrene butadiene based synthetic liquid which can be used for modifying cementitious mortars, plasters and sealing slurries. This bonding emulsion on mixing with mineral based systems, increases elasticity & flexibility and reduces water absorption. The neat material may also be used as bonding agent in the cold joints in concrete.

## Features & Benefits

- Universally usable - can be used as bonding agents mortars, plasters sealing slurries, concrete and existing mineral substances
- Increased flexibility and elasticity
- Resistance to aggressive substances like frost, chlorides, salts etc.
- Reduced water adsorption

## Primary Application

- Used as a bonding agent to integrate old and new concrete in typical patch repair situation and cold joints.
- Used as mortar modifier to enhance the properties of site mixed cement mortar to achieve better elasticity upon hardening.
- Can be used as modifier of cement slurry to provide elastic properties to the cement paste which can be applied as a waterproof coating for retaining or excluding un-pressurized water.

## Technical Properties

Specific gravity	≈ 1.02
Appearance	Milky White Liquid
PH	10.5 - 11.5
Viscosity	≈ 400 mPa.s
Application temperature	+2°C to +35°C
Slant shear strength (ASTM C882-99)	Min. 24 MPa @ 28 days (Bond intact, concrete failure)

## Specification Clause

The bonding agent shall be Talrakpolybond® SB a styrene butadiene rubber based solution compatible with cementitious materials. The bonding agents shall provide adequate bond strength when directly applied on concrete and also mixed with neat cement.



**Talrak Construction Chemicals Pvt. Ltd.**

An ISO 9001:2015 Certified Company

### Works:

Plot No. 115-A, 1st Phase. Harohalli Industrial Area,  
Kanakapura Taluka - 562 112. Ramanagar Dist.  
[www.talrak.in](http://www.talrak.in)

## Application Instructions

### Surface Preparation

Ensure the substrates are free from dust, loose material and oil particles. Substrates with dust/oil should be cleansed thoroughly with cleaning agents and rinse off. Water should be drained out completely from pre-wetted substrate.

### Application

When used as bonding agent, Talrakpolybond® SB shall be sprayed, brush/roller applied on the old concrete surface before pouring new concrete.

When used as an additive with mortar, plasters and concrete, 10 - 20% of water is replaced with Talrakpolybond® SB. When used as cementitious bonding bridge, add Talrakpolybond® SB to water in 1:2 ratio. Then add this diluted mix to cement/sand mixture at a ratio of 1:2 (by volume). Mix the contents until desired consistency, lump free mix is attained. Apply the slurry with a firm brush. Plasters and screeds are applied fresh in fresh. Clean tools after use with water.

### Coverage

Talrakpolybond® SB covers 4 to 5m<sup>2</sup>/ltr depending on surface texture and substrate porosity.

### Estimating Packaging

Talrakpolybond® SB is supplied in 1, 2.5, 5 and 20ltrs containers.

### Storage

Talrakpolybond® SB has a shelf life of 12 months if kept in dry store in original, unopened containers. If stored at high temperature and/or high humidity conditions the shelf life may be reduced.

### Precautions

### Health & Safety Instructions

Contact with the skin should be avoided. Gloves and barrier creams should be used when handling these products. Eye contamination must be immediately washed with water and medical treatment sought.

### Important note :

Talrak 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 Talrak 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.

Ref : TCC/TDS/AD02 - R3