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 water proofing coating for retaining or excluding un-pressurized water.

Technical properties

Specific gravity	≈1.02
Appearence	Milky White Liquid
pH Value	10.5 - 11.5
Viscosity	≈ 400 MPa.s
Application Temperature	+2^{0}C to +35^{0}C

Specification Clause

The bonding agent shall be Talrakpolybond® SB a styrene butadiene rubber based solution containing a minimum of 43% solids and compatible with cementitious materials. The bonding agents shall provide adequate bond strength when directly applied on concrete and also mixed with neat cement.

Application Instruction

Surface Preparation:

Ensure the substrates are free from dust, loose material and oil particles. Substrates with dust/oil should be cleansed throughly 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 additive with mortar, plasters and concrete 10 - 20% of water is replaced with Talrakpolybond® SB. When used as cementitious bonding bridge, Mix Talrakpolybond® SB with water in 1:2 ratio. Add this liquid mix to cement/sand mixture (1:2 by volume). Mix the contents until desired consistency is attained. Apply the slurry with a firm brush. Plasters and screeds are applied fresh in fresh. Clean tools after use with water.

Coverage

Slurry primer - ≈ 6 to 7m^2/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.

Talrak Construction Chemicals Pvt. Ltd.

An ISO 9001:2015 Certified Company

Works:
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