BUTABOND SBR

Styrene butadiene latex waterproofing

Description:
BUTABOND SBR is based on modified Styrene butadiene latex used for high performance applications in waterproofing and repairs. It is used for repairs of spelled concrete such as floors, columns, beams, chajjas, slabs & waterproofing of toilets & bathrooms & terraces. It bonds strongly to old & new concrete & plaster.

Uses:
- Waterproofing of small roof terraces, sunken portions of toilet & bathrooms, chajjas & lift pits, balconies & stair cases
- Liquid & effluent tanks, car deck and walk ways
- Repairs of plaster cracks more than 5 mm & in gaps developed between masonry and RCC members
- Coating for prevention of corrosion over rebars
- Fixing or refixing of slip bricks, tiles, stones & marble bedding
- As bonding slurry coat for pin hole treatment on concrete surface & as repair mortar for overhead applications.
- As a bond coat plaster to plaster, concrete-to- old concrete, plaster to concrete masonry to stone work etc.

Advantages:
- Prevents leakage & dampness
- It prevents cracking by improving flexural strength
- Reduces drying & aging shrinkage cracks
- Bonds strongly to concrete, masonry, stone work, plasters, steel, asphalt & most of the building materials
- Improvers erosion resistance & prevents corrosion
- Improves abrasion resistance of cement mix
- Enhances strength of a repair mortar & provides durability

Company Standard Compliance:

Technical Information:

Properties	Specification
Appearance	Free Flowing Liquid
Color	Milky white
Sp. Gravity @30°C	1.02 ± 0.01
Non volatile matter %	30 to 32
pH Value	7 to 9
Bond Strength	3 N/mm²
Chemical Resistance	Resists mild Acids & Alkalis
Freeze thaw resistance	Excellent
Flexural Strength (BS 6019 part-3)	>9 N/mm²

Compressive Strength (BS 6019 part-2)	>35 N/mm²

Application Procedure:

- Clean the surface with wire brush or scrubber to remove hidden dirt, loose particles. Laitance, & dust. Degrease the surface by using suitable solvents.
- Repair the concrete spelled portion by saw cutting the extreme edges of the repair location to a depth of at least 10 mm to avoid featheredging & to provide strong substrate.
- Clean the concrete surface to remove any contamination where breaking is not possible.
- Roughen the surface by light scrabbling or grit blasting. Expose corroded rebars in the repairing area fully. Remove all loose scales corrosion deposits & immediately clean the surface.

Sr. No.	Area of Application	Mixed (BUTABOND SBR: Water: Cement)	Method of Application
1	As bond coat	1 : 1 : 3	Apply a coat of the mixed quantity of Butabond SBR. When coat is tacky than apply the plaster or concrete
2	As waterproofing coat	1 : 1 : 3	Brush apply the 1st coat. Apply 2nd coat after 1st coat is dry approximately 4- 6 hrs between two coats. Over lay the 2nd coat with screed/plaster for protection and finish.
3	Rebar coating	1 : 1 : 3	Rusted rebars must be thoroughly scraped, by mechanical means if required. Brush apply a single coat of prepared mix over the rebars. Apply concrete/mortar when the coat is tacky.
4	For 'salt petre' free plaster brick memory	1 : 1 : 3	Brush apply the 1st coat on brick. Apply 2nd coat after 1st coat is dry. When 2nd coat is tacky, place plaster as per instruction in no.
5	As waterproof plaster or / repair plaster	50 kg OPC Cement 150 kg Sand 1 kg Butabond SBR 20 ltr Water	Mix 1 kg of Butabond SBR with pre-measured water for 50 kg of cement.Use this mix to add to the recommended dry plaster mixes. plaster mixes may be as rich as 1:3 (cement : sand Keep water-cement ratio in plaster as low as 0.4 but not more than 0.45. for better application apply a bond coat with Butabond SBR as suggested earlier 2nd and final layer of plaster must not be mixed with Butabond SBR.
6			Add Plastcone AW+ to the second coat plaster. Take care to scratch-key the 1st coat surface for effective bond with the 2nd Bond coat over the 1st coat surface for effective bond with 2nd layer of plaster is must to be removed.

Coverage:

For Bonding & waterproofing applications
1 kg of BUTABOND SBR will cover 70 - 80 sq. ft. area in 2 coats for a proportion
mix 1: 1: 3 (BUTABOND SBR: Water: Cement).

Packaging:

BUTABOND SBR is supplied in 100,250 & 500 ml, 1, 5, 10 & 20 liter.

Storage & Shelf-life:

Minimum of 12 months shelf-life if kept under room temperature (i.e. 27°C).

Cleaning:

BUTABOND SBR should be removed from tools, equipment and mixers with clean water immediately after use. Cured material can only be removed mechanically.

Curing:
BUTABOND SBR mortars, toppings and renders are cementbased. In common with all cementitious materials, they must be cured immediately after finishing in accordance with good concrete practice. The use of one of Redwop's Concure curing compounds, sprayed on to the surface of the finished mortar in a continuous film, is recommended. In harsh drying conditions, supplementary curing with polythene sheeting must be used.

Limitations:
BUTABOND SBR mortars, toppings and renders should not be applied when the temperature is 5°C and falling. Neither should they be exposed to moving water during application. Exposure to heavy rainfall prior to the final set may result in surface scour. If any doubts arise concerning temperature or substrate conditions, consult Redwop.

Health & Safety:
BUTABOND SBR should not come in contact with skin and eyes or be swallowed. Protective gloves and goggles should be worn.

BUTABOND SBR should not come in contact with skin and eyes or be swallowed.

If contact with skin occurs, wash well with soap and water. Eye contamination should be washed thoroughly with clean water and medical advice sought. If swallowed seek medical attention immediately - Do not induce vomiting.

Fire:
BUTABOND SBR is non-flammable.

Indian Green Building Council

It is the practice of increasing efficiency with which buildings use resources- energy, water and materials-while reducing building impacts on human health and the environment.

ISO 45001 is the world's international standard for occupational health and safety, issued to protect employees and visitors from work-related accidents and diseases.

ISO 9001:2015 is a globally recognized standard for quality management systems (QMS). It helps organizations of all sizes and sectors to: Improve performance, Meet customer expectations,Demonstrate commitment to quality, and Identify and improve processes that lack consistency.

ISO 14001 is the internationally recognized standard for environmental management systems (EMS). It provides a framework for organizations to design and implement an EMS, and continually improve their environmental performance

This symbol is used to identify Redwop products which give off a low level of volatile organic compounds(VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.

Our Commitment To The Environment Redwop products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.

ISO/IEC 17025 enables laboratories to demonstrate that they operate competently and generate valid results, thereby promoting confidence in their work both nationally and around the world.

REDWOP CHEMICALS PVT. LTD.
Head Office Regd. Office: 2nd Floor, Pearlplaza Complex, Nr. GT Sheth School, 150 ft. Ring Road, Rajkot Gujarat 360005 India
info.redwop@gmail.com http://redwop.net 9724655551 0281 2576664