

BONDING AGENT



BUTABOND SBR SL

Styrene butadiene latex waterproofing

Description

BUTABOND SBR SL is based on specially modified Styrene butadiene latex used in waterproofing and repair works. Generally it is used to repair spelled out concrete such as chajjas, slabs, floors, columns, beams, & waterproofing of toilets, bathroom, terraces, sunken parts etc. It acts as an excellent bonding agent between fresh to old concrete.

Advantages

- Ease in application as it is one component
- It prevents cracking by improving flexural strength
- Reduces drying & aging shrinkage cracks which ultimately decrease permeability
- Excellent bond to concrete, masonry, stone work, plasters, steel, asphalt & most of the building materials
- Resistance to erosion & prevents corrosion
- Improves abrasion resistance of cement mix
- Enhances strength of a repair mortar & provides durability

Uses

- Repair of cracks and waterproof plastering for masonry structures and Prevents leakage & dampness
- Liquid & effluent tanks, car deck and walk ways repair works
- Masonry and RCC members
- Waterproofing of small roof terraces, sunken portions of toilet & bathrooms, chajjas, lift pits, balconies & stair cases
- 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
- Act as bonding agent between plaster to plaster, fresh concrete-to- old concrete, plaster to concrete masonry to stonework etc.

Technical Information

PROPERTIES	RESULTS
Appearance	Free Flowing Liquid
Color	Milky white
Sp. Gravity @30°C g/cm ³	1.02±0.01
Solid Content	40 to 44
pH Value	7 to 9
Bond Strength	5 N/mm ²
Chemical Resistance	Resists mild Acids & Alkalis
Freeze thaw resistance	Excellent

Coverage

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

Packaging

- BUTABOND SBR SL is supplied in 500 ml, 1, 5, 10 & 20 liter.

Storage

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

Application temperature

Surface Preparation

- Surface must be free of dust, oil, laitance and all other kind of foreign materials.
- Repair the concrete spalled 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.
- Corroded reinforcement should be cleaned by removing all unwanted scales and apply a coat of primer immediately on steel surface.
- Further application should be done according to following table:

Sr. No.	Area of Application	Mixed (BUTABOND SBR SL: Water: Cement)	Method of Application
1	As bond coat	1:1:3	Apply a coat of the mixed quantity of Butabond SBR SL. 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 SL 20 ltr Water	Mix 1 kg of Butabond SBR SL 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 SL as suggested earlier
			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.

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Redwop®

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