



BONDSTAR SBR

Styrene butadiene latex waterproofing



DESCRIPTION

BYZON BONDSTAR SBR is based on modified styrene butadiene latex supplied as a ready to use bonding agent in liquid consistency. It is used for repair of spalled concrete – floors, columns, beams, chhajjas, slabs & waterproofing of toilets & bathrooms, small terraces etc. as it bonds strongly to old & new concrete and to plasters. It reduces shrinkage, prevents cracking, dust pick up & improves abrasion resistance.

FEATURS & BENEFITS

- › Crack Prevention - The improved flexural strength prevents crack generation.
- › Hardness - It improves the surface's hardness and prevents dust generation.
- › Shrinkage - It reduces the drying shrinkages.
- › Bonding - It provides improved bonding for concrete, mortar, for new constructions as well as repair works
- › Erosion & Corrosion - It reduces erosion and corrosion.

AREA OF APPLICATION

- › Waterproofing: Good as an additive for economical waterproofing of roof and terraces with protective screed on top
- › As bond coat: The bond coat provides better adhesion at the interface of old to new concrete and mortar substrate
- › Repair works: It provides better adhesion and waterproofing in repair works
- › Pinhole treatment: The bond coat is applicable for pinhole treatment of concrete surfaces
- › External render: The external render provides a frost free waterproofing

METHOD OF APPLICATION

1. Surface preparation

- › Surface should be cleaned with a wire brush to remove dirt and loose particles. The surface should be free from grease, oil materials, loose particles laitance and dust
- › The damaged portion of the concrete should be removed by saw cutting. If breaking is not possible then the surface should be roughened by wire brush or grit blasting
- › After cleaning the surface should be saturated with potable water. The extra water should be removed before application

2. Waterproofing Application

- › The composition of waterproofing coating is BONDSTAR SBR : Cement = 1:2 (by weight)
- › Add cement on BONDSTAR SBR with gently mixing to avoid air entrapment
- › Use a brush for application. Apply two coats of waterproofing slurry with a 3-4 hr interval (for surface drying) Protective screed should be applied with required thickness and slope

3. Bond Coat Application

- The composition of the bond coat is BONDSTAR SBR : Cement = 1:1.5 (by weight)
- Add cement on BONDSTAR SBR with gently mixing to avoid air entrapment
- Use a brush for application. Apply one coat on the prepared concrete surface
- Repair mortar should be applied while the applied bonding coat surface is still tacky

4. Repair Mortar

- The repair mortar to be made with BONDSTAR SBR with the given mix proportion. The mix proportion is Cement : 50 kg, Washed Sand :150 kg, BONDSTAR SBR : 4-5 kg, Water : 16-17ltr
- Extra water may be added to get required application consistency.

TECHNICAL INFORMATION

| PROPERTIES | RESULT |
|------------------------|-------------------------------|
| Appearance | Milky white liquid |
| Sp. gr. @ 25°C | 1.01 – 1.03 |
| pH value | 7 to 9 |
| Material Type | Modified eco-friendly SBR |
| Bond strength | 3 N/mm ² g |
| Chemical resistance | Resists mild acids & alkalies |
| Freeze thaw resistance | Good |
| Solid content | 32 to 35 % |

DOSAGE

- Waterproofing - BONDSTAR SBR : Cement = 1:2 (by weight)
- Bonding Coat - BONDSTAR SBR : Cement = 1:1.5 (by weight)
- Repair Mortar - Cement : 50 kg, Washed Sand : 150 kg, BONDSTAR SBR : 4-5 kg, Water : 16-17 ltr

COVERAGE

- 1 kg of BONDSTAR SBR will cover 70 - 80 sq. ft. area in 2 coats for a proportion mix 1: 1: 3 (BONDSTAR SBR: Water: Cement).

PRECAUTIONS & LIMITATIONS

- › Do not add extra water or more than recommended dosage
- › Recommended dosage to be followed to achieve desired results.

SHELF LIFE

- › 24 months for sealed pack when stored under cover, out of direct sunlight, dampproof condition and protect from extremes of temperature.

PACK SIZE

- › 500ml & 1, 5,10 ,20, 50, 200 ltr

SAFETY PRECAUTIONS

- › Keep out of reach of children. Wear suitable protective clothing, gloves and eyes/face protection. After contact with skin, wash immediately with plenty of clean water. In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice. Limited to professional use only.