

BTL BOND SBR

Concrete Bonding Agent – SBR Latex

JULY 2024
REV 03**THE PRODUCT**

BTL Bond SBR is a high-performance water-resistant synthetic rubber emulsion designed to improve cement mortars.

It enhances adhesion, flexibility, tensile and flexural strength, and provides excellent water and chemical resistance. Ideal for durable repair, bonding, and waterproofing applications.

USES

- Thin layer patching and rendering
- Floor screeds and toppings
- Concrete repair mortars
- Steel corrosion protection
- Tanking and waterproof coatings
- Tile fixing and masonry mortars
- Abrasion-resistant linings

BENEFITS

- ✓ Excellent adhesion to concrete and masonry
- ✓ Increased tensile and flexural strength
- ✓ Improved water, salt, and chemical resistance
- ✓ Reduces shrinkage and bleeding
- ✓ Enhances corrosion protection
- ✓ Non-re-emulsifying, even in alkaline conditions
- ✓ Suitable for potable water applications
- ✓ Ready to use, non-corrosive, non-toxic

SPECIFICATIONS

Property	Standard	Unit	BTL BOND SBR
Appearance	-	-	Milky white liquid
Specific Gravity (25 °C)	ASTM D1475	%	0.99 – 1.01
Solids Content	-	%	32 % (± 1 %)
Slant Shear Strength – Type I (Dry)	ASTM C1042 / C1059 Type I	Mpa	> 7.0
Slant Shear Strength – Type II (After Immersion)	ASTM C1042 / C1059 Type II	Mpa	> 10.5
Tensile Bond Strength (Wet)	ASTM C932	Kpa	> 1800
Chloride Content	BS EN 1015-17	-	Nil
pH Value	ASTM E70	-	7 – 9

BUILDTOLAST

ADDITIONAL INFORMATION

Handling and storage

BTL BOND SBR is available in 5 L, 20 L, 25 L, 200 L, and 1000 L containers.

Store in dry, shaded area (away from heat and sunlight) at temperatures between 5°C and 35°C in closed packaging.

Shelf life: 12 months from date of manufacture.

Installation

Surface Preparation

Ensure the surface is clean, sound, and free from oil, grease, dust, and loose material.

The substrate should be in a **saturated surface-dry (SSD)** condition.

Application & Mixing

Add 1–2 kg of BTL BOND SBR per 50 kg of cement to the dry mix. Gradually add water until desired consistency is achieved. Always stir before use. Use a forced-action mixer where possible.

Bonding Bridge

For improved adhesion, brush a bonding slurry over the prepared surface before applying the mortar.

Dosage

Normal use: 5 % of total mix volume.

Severe conditions (high adhesion, waterproofing, or chemical exposure): up to 10 %.

Cleaning

Wash tools and equipment with clean water immediately after use.

Health & Safety

- Avoid contact with skin, eyes, and mucous membranes.
- Wear gloves and protective goggles.
- In case of contact, rinse thoroughly with water and seek medical attention if irritation persists.
- Dispose of material according to local regulations.
- Non-toxic, non-hazardous under standard safety codes.

CERTIFICATION

BTL EPOXY SF PRIMER Complies with ASTM C1059-99 (Type I & II) when tested per ASTM C1042.

Meets ASTM C932 requirements for bond strength.

Ensures full compliance with international standards for latex bonding agents, adhesion performance, and durability.

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BTL reserves the right to modify the technical data in this specification sheet, which is based on current production without prior warning.
All indicators in this specification sheet are based upon our experience and current working practices.