

PROXON SBR

PROXON SBR enhances bonding, strength, flexibility, abrasion resistance, and corrosion resistance in cementitious systems.



What

PROXON SBR is a high-performance Styrene Butadiene Rubber latex that enhances bonding, compressive, tensile & flexural strength in cementitious systems. It improves flexibility, abrasion resistance, chemical resistance & durability in floorings, renderings & high-strength applications.

Why?

- Strong bond and adhesion
- Reduces shrinkage cracks
- Increases abrasion resistance
- Multipurpose, economical, easy
- Low WC, higher durability
- Controls corrosion in steel

Usage

Ideal for external rendering, waterproofing, bonding concrete, bricks, tiles, slabs, and repairs. Suitable for watertight plastering in pools, fountains, tanks, and laying industrial flooring screeds and levelling mortars requiring high durability.

How to use?

- Clean and prepare surfaces
- Apply bonding slurry coat
- Mix cement, sand, PROXON SBR
- Use correct water ratio
- Apply mortar while tacky
- Compact, level, and finish

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Application

Dosage & Functional Prescription:

Latex Polymer Modified Mortar (LPMM)
For general mortar mix, use 50kg cement, 280kg sand, and 5 liters PROXON SBR with minimum water for workability (1:1 ratio PROXON SBR to water).

For thick bed mortar, screed, or renders above 15mm thickness, increase PROXON SBR to 7.5 liters. For chemical-resistant applications like battery rooms or water treatment areas, increase to 10 liters. For thin bedding or screeds, use 1:1 cement-sand mix with 5 liters PROXON SBR per 50kg cement.

For bonding slurry, mix 1:1.5 PROXON SBR to cement, apply to tacky, and follow with mortar application. For gypsum or light

weight plaster, prime with 1:1 PROXON SBR to cement. For heavy rendering, prepare 1:2 PROXON SBR to cement slurry.

Surface preparation, Mixing & Application:

Application surfaces must be clean, sound, and free from oil, grease, or loose particles. Dampen hot or absorbent surfaces before applying or prime with 1:8 (Proxon SBR: Water). For existing concrete, roughen smooth areas. Cut back damaged concrete to sound material. Use manual mixing or rotating blade mixers, avoiding excess air. Apply bonding primer slurry coat and fresh mortar while tacky. For water-resistant renders, apply two slurry coats at right angles, minimum 1.5mm thickness.

Physical Properties	
Compound	Styrene Butadine Latex
Appearance	Milky White
Standard Conforms	BS 5270
Specific Gravity	1.01 gm/cc @25°C
Solid Content	42%
pH	7 - 10.5
Chloride Content	Nil
Flammability	Non-flammable
Pot Life	<30 minutes (after cement modification)

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Packing

Available in 20L & 200L containers

Shelf Life

Shelf life is 12 months in sealed containers if stored in a cool, dry place (18–28°C). Reseal containers after use and always follow storage instructions provided on the product label for best results.

Safety

Contains no hazardous substances but avoid contact with skin or eyes. Use gloves and goggles. In case of contact, rinse immediately. If swallowed, seek medical attention. Refer to MSDS for complete details.

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Product Use Advisory : The technical information and advice provided are based on current scientific and practical knowledge. As this is general information, no warranty is given on product suitability for specific applications. Users must verify product suitability for their intended use and application.