

Technical Data Sheet

HR BOND^X SBR

Latex SBR Bonding Agent



Product Description

HR Bond^X SBR is a high-quality styrene-butadiene rubber (SBR) latex bonding agent designed to enhance adhesion between new and existing concrete, mortar, plaster, and cementitious surfaces. It improves flexibility, water resistance, and durability of cement-based mixes, making it ideal for repair, renovation, and waterproofing applications.

Applications

- Bonding new concrete to old concrete
- Cementitious repairs and patching
- Plaster and screed adhesion improvement
- Waterproofing and tiling mortars
- RCC repair, floor toppings, and overlays

Key Features & Benefits

- Enhances adhesion of cementitious materials
- Improves flexibility and crack resistance
- Increases waterproofing properties
- Compatible with cement, sand, and other mineral fillers
- Easy to use – ready-to-use liquid



Technical Properties

Property	Typical Value
Appearance	Milky White Liquid
Solid Content	48% – 52%
pH	9 – 11
Specific Gravity	1.02 – 1.05
Film Formation	Forms flexible, elastic film
Compatibility	Cementitious systems, plasters, mortars, concrete
Drying Time	2 – 4 hours (surface touch dry)
VOC Content	Low / Non-toxic



Method of Application

As Bonding Agent:

1. Clean the substrate thoroughly; remove dust, loose particles, oil, or grease.
2. Apply HR BondX SBR undiluted or diluted up to 1:1 with water on the prepared surface.
3. Allow to become tacky (surface dry) before applying new cementitious layer.

As Cement Admixture:

1. Replace part of the mixing water in cement-sand mortar with HR BondX SBR (typically 10–20% of cement weight).
2. Mix thoroughly to a homogeneous consistency.
3. Apply the mortar/concrete as required.

Surface Preparation

- Ensure the surface is structurally sound, clean, and free from dust, oil, grease, and loose materials.
- Moist curing is recommended for new concrete substrates to avoid excessive suction.

Storage & Shelf Life

- Store in a cool, dry place away from direct sunlight and frost
- Keep container tightly closed
- Shelf Life: 12 months in unopened original packaging

Health & Safety

- Non-toxic and safe to handle
- Avoid prolonged skin contact; wash with water if contact occurs
- Keep out of reach of children
- Refer to MSDS for detailed safety instructions

Limitations

- Do not freeze the product
- Avoid mixing with acidic materials
- Not recommended as a standalone waterproof coating



Disclaimer

The information provided in this Technical Data Sheet is based on laboratory tests and field experience. Actual performance may vary depending on substrate conditions and application methods. The manufacturer shall not be held responsible for improper use.

