

BONDING AGENT SBR HW404

Product Description

Hard Worker Bonding Agent – SBR is a polymer-modified bonding agent based on styrene-butadiene rubber latex. Supplied in ready-to-use liquid form, it offers strong adhesion, improves tensile and flexural strength. It enables long-lasting bonds on concrete, plaster, brick, and masonry surfaces.

Specification

- **Excellent bonding between old and new concrete**
- **Improves tensile and flexural strengths in repair mortar**
- **Enhances cohesion and reduces shrinkage and cracking**
- **Applicable across multiple use-cases – bonding agent for repair mortar, screed.**

Application Areas

Recommended as bonding agent for:

- Between old and new concrete
- Polymer-modified repair mortars
- Screeds and floor toppings

Substrate Preparation

Surface must be free from dust, laitance, rust, paint, oil, or any contaminants

For concrete: Pre-saturate substrate for at least 2 hours to achieve SSD condition

Roughen smooth surfaces using scabbling or grit blasting to provide grip

Mixing Instructions

Mix ratio: 1 Part Bonding Agent SBR to 1 Part Cement

Use low-speed electric mixer to ensure homogeneous blending.

Bonding slurry must be tacky when overlaying screed or mortar.

Application Instructions

Apply bonding slurry with a brush to prepared substrate.

Place mortar or screed while the surface remains tacky.

Packaging & Shelf Life

Available in 1 Kg, 5 Kg, and 10 Kg containers
Shelf life: 12 months from manufacturing date
Store in cool, dry place away from direct sunlight, in sealed condition

Technical Specification

Parameter	Value
Appearance	Liquid
Colour	White
Solid Content	50 – 60%
Specific Gravity (27°C)	1.020 g/ml
Tack-Free Time	30 - 35 minutes
Pot Life	60 minutes
Bond Strength ASTM D 4541 – 2022 @ 28 days	2.5 - 3 MPa
Slant Shear Strength ASTM C 882 – 2020 @ 28 days	3 – 3.5 MPa

All values tested under standard lab conditions.

Coverage

8 – 12 sq. ft. per litre for 2 coats, at 1 mm thickness. May vary based on the substrate

Cleaning

Wash all tools with clean water immediately after use.
Do not allow material to harden on tools or surfaces.

Precautions

Use gloves, masks, and eye protection during use
Avoid inhalation
In case of skin or eye contact, rinse thoroughly with clean water

Technical Support

Toll Free: 1800 202 5700
Email: customercare@ramcocements.co.in
