

TECHNICAL DATA SHEET

KAYRA SBR LATEX SUPER 3002

Modified Styrene Butadiene Latex for Waterproofing & Repairs

DESCRIPTION

Kayra SBR Latex Super 3002 is a high-performance, modified Styrene Butadiene Rubber (SBR) latex emulsion used for various applications in waterproofing and concrete repair. It is suitable for repairing spalled concrete in areas such as slabs, columns, beams, chhajjas, and terraces, and provides effective waterproofing for toilets, bathrooms, balconies, and lift pits. The product ensures strong bonding to old and new concrete and plaster substrates.

TYPICAL APPLICATIONS

◆ As Bond Coat

- Plaster to plaster
- Concrete to concrete
- Plaster to concrete
- Bonding of tiles, panels, and underlays for special finishes

◆ As Waterproofing Coating

- Small roof terraces
- Sunken areas of toilets & bathrooms
- Chhajjas, balconies, lift pits, and staircases

◆ As Crack Filler

- Repair of plaster cracks wider than 5 mm
- Gaps between RCC and masonry joints

◆ As Rebar Coating

- Prevents corrosion over reinforcement bars

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◆ As Cladding Aid

- Bedding and fixing of tiles, stones, bricks, and marble

◆ Concrete Repairs

- Polymer-modified repair mortars for patching and durability

◆ Surface Leveling & Mortars

- Filling voids and damaged concrete surfaces
- Finishing precast and structural components

FEATURES & BENEFITS

- ✓ **Multipurpose Use** – One product for bonding, waterproofing, crack repair & protection
- ✓ **Prevents Cracking** – Enhances flexural strength and resists cracking
- ✓ **Improves Hardness** – Reduces dust and surface erosion
- ✓ **Minimizes Shrinkage** – Lowers drying and aging shrinkage in mortars
- ✓ **Superior Adhesion** – Strong bonding with cementitious and non-cementitious substrates
- ✓ **Corrosion Resistance** – Excellent barrier against moisture-induced corrosion
- ✓ **Waterproofing Efficiency** – Controls water seepage and leakage
- ✓ **Abrasion Resistance** – Enhances durability and surface strength
- ✓ **Economical Coverage** – 70–80 sq.ft/kg in 2 coats
- ✓ **Low Rebound Loss** – Better efficiency with less material wastage

PACKAGING

Available in:

- 200 g
- 500 g
- 1 kg
- 5 kg
- 20 kg

METHOD OF APPLICATION

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1. Surface Preparation

- Clean surface thoroughly using wire brush or mechanical scrubber.
- Remove all loose particles, laitance, dust, oil, or grease using solvents.
- For repair zones, saw-cut edges to a depth of at least 10 mm to avoid feather-edging.
- Where surface breaking is not possible, roughen via light scabbling or grit blasting.
- Expose corroded rebars in the repairing area fully. Remove all loose scales & corrosion deposits & immediately clean the surface.

Application Mixing Table

Product: Kayra SBR Latex Super 3002

Sr. No.	Areas of Application	Mix Ratio (SBR Latex : Water : Cement)	Method of Application
1	As Bond Coat	1 : 4 : 7	<ul style="list-style-type: none"> • Apply a single coat of the mix. • When tacky, apply plaster/concrete. • Always add cement to the liquid (Kayra SBR Latex : Water = 1:4).
2	As Waterproof Coating	1 : 4 : 7	<ul style="list-style-type: none"> • Brush apply 1st coat. • Apply 2nd coat after 4–6 hrs once 1st coat is dry. • Overlay with screed/plaster for final protection.
3	Rebars Coating	1 : 4 : 7	<ul style="list-style-type: none"> • Thoroughly clean rusted rebars mechanically. • Brush apply 1 coat on rebars. • When tacky, apply mortar/concrete.
4	For 'Salt-Petre' Free Plaster / Brick Masonry	1 : 4 : 7	<ul style="list-style-type: none"> • Brush apply 1st coat on surface. • Apply 2nd coat once dry. • When 2nd coat is tacky, apply plaster as per application.
5	Renders, Patching & Crack Repair Mortar	5 kg Kayra SBR Latex + 15 ltr Water + 50 kg Cement + 150 kg Sand	<ul style="list-style-type: none"> • Use for making polymer-modified mortar. • Keep w/c ratio between 0.4 and 0.45. • Clean cracks well and wet surface. • Use a bond coat before applying mortar. • Fill & level the crack.
6	As Waterproof Plaster	1 kg OPC + 150 kg Sand + 10 kg Kayra SBR Latex + 20 ltr Water	<ul style="list-style-type: none"> • Mix Kayra SBR Latex with pre-measured water (10 kg + 20 ltr). • Add to plaster mix (cement:sand = up to 1:3). • W/c ratio should be 0.4–0.45. • Use bond coat before applying 1st layer. • Apply 2nd & final coat when 1st is dry. • Do not remix partially set plaster with SBR Latex.

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Precautions & Limitations

- Always follow the recommended dosage for optimum performance and durability.
- In hot weather conditions, **adjust the water content** of the repair mortar to compensate for evaporation losses and to ensure sufficient workability.
- Do not apply on dusty, oily, or weak surfaces.
- Protect freshly applied surfaces from direct sun, strong wind, and premature drying.
- Never mix Kayra SBR Latex Super 3002 directly with dry cement or plaster without proper dilution.
- Do not apply when ambient temperature is below 5°C or above 40°C.

Properties	Results
Appearance	Free flowing liquid
Colour	Milky white
Specific Gravity (@30°C, gms/ml)	1.00 – 1.05
Non-Volatile Matter (%)	42 – 44
pH Value	7 – 10
Bond Strength (N/sq.mm)	5
Chemical Resistance	Resists mild acids & alkalis
Freeze-Thaw Resistance	Excellent

Coverage

For bonding and waterproofing applications:

- **1 kg** of Kayra SBR Latex Super 3002 covers approximately **70–80 sq.ft. in 2 coats**
- Mix proportion: **1 : 4 : 7** (SBR Latex : Water : Cement)
- Coverage may vary depending on surface condition, porosity, and method of application

Shelf Life & Storage

- Best before **18 months** from date of manufacture when stored in original, **sealed pack** under recommended storage conditions
- Store in a **cool, dry place**, protected from direct sunlight and frost
- Avoid excessive stacking to prevent container damage

Health & Safety

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- Use **protective gear** such as rubber gloves and safety goggles during application
- In case of **skin contact**, wash thoroughly with clean water
- Avoid ingestion and prolonged skin contact
- Keep out of **reach of children**

Other Product Categories Available from Kayra

Kayra Corporation Pvt. Ltd. offers a comprehensive range of **construction chemical solutions** for:

- Waterproofing Systems
- Tile Adhesives & Grouts
- Sealants & Crack Fillers
- Concrete Repair & Protection
- Admixtures & Surface Treatments
- Industrial Floor Coatings
- Integral Waterproofing Compounds

Disclaimer: KAYRA construction chemical dry mix products are guaranteed against material and manufacturing defects. The product is sold as per standard terms and conditions of sales, copies of which may be obtained on request. KAYRA's endeavor is to ensure correct and accurate information on product performance and recommended specifications as mentioned in literature, and still may have to abstain from circumstantial deviations which are beyond control due to human intervention, atmospheric conditions or natural calamities which may not be in accordance with any advice, specification, recommendation or information given by it.