

# Mak Super Latex

SBR LATEX FOR WATERPROOFING & REPAIRS

## DESCRIPTION :

This Styrene Butadiene Rubber (SBR) latex is a high-performance additive designed for waterproofing and concrete repair applications. It is suitable for restoring damaged concrete in areas like slabs, beams, columns, chhajjas, floors, and for waterproofing bathrooms, toilets, terraces, balconies and lift pits.

The product provides excellent adhesion between old and new concrete or plaster.

## USES :

- Multipurpose & economical – Easy to use across various repair and waterproofing applications.
- Improves flexibility – Reduces cracking by increasing flexural strength.
- Increases hardness – Prevents dusting on surfaces.
- Reduces shrinkage – Minimizes drying and aging shrinkage cracks.
- Strong bonding – Excellent adhesion to concrete, masonry, stone, plaster, steel and most building materials.
- Corrosion & erosion resistance – Protects surfaces and reinforcement.
- Improves abrasion resistance – Makes cement mixes more durable.
- Enhances waterproofing – Prevents dampness and leakage.
- Durable repair – Improves strength and long-term performance of mortars.
- Low rebound loss – Reduces wastage during application.
- High coverage – Covers approx. 70–80 sq.ft/kg in 2 coats.

## TYPICAL APPLICATIONS :

### Bond Coat

- Ideal for plaster-to-plaster, concrete-to-concrete and plaster-to-concrete bonding.
- Used for tile fixing, underlays and special floor finishes.

### Waterproofing

- Suitable for small terraces, toilets, sunken areas, lift pits, staircases and balconies.

### Crack Repair

- For cracks wider than 5 mm and gaps between masonry and RCC members.

### Rebar Protection

- Applied as an anti-corrosion coating for reinforcement bars.

### Cladding & Fixing

- Used for fixing/refixing tiles, stones, slip bricks and marble bedding.

## Polymer-Modified Mortars

- Enhances durability of repair mortars for patching and concrete restoration.

## Cement Mortar Applications

- For filling holes, rebuilding damaged areas and finishing concrete or precast surfaces.

## KEY FEATURES :

- **Multipurpose & economical** – Easy to use across various repair and waterproofing applications.
- **Improves flexibility** – Reduces cracking by increasing flexural strength.
- **Increases hardness** – Prevents dusting on surfaces.
- **Reduces shrinkage** – Minimizes drying and aging shrinkage cracks.
- **Strong bonding** – Excellent adhesion to concrete, masonry, stone, plaster, steel and most building materials.
- **Corrosion & erosion resistance** – Protects surfaces and reinforcement.
- **Improves abrasion resistance** – Makes cement mixes more durable.
- **Enhances waterproofing** – Prevents dampness and leakage.
- **Durable repair** – Improves strength and long-term performance of mortars.
- **Low rebound loss** – Reduces wastage during application.
- **High coverage** – Covers approx. 70–80 sq.ft/kg in 2 coats.

## METHOD OF APPLICATION :

### Surface Preparation

- Clean the surface using a wire brush to remove dust, loose particles and laitance.
- Saw-cut edges of spalled areas at minimum 10 mm depth for strong bonding.
- Remove contamination by light scabbling or grit blasting.
- Clean corroded rebars completely before coating.

### Mix Proportions & Application Methods

#### Bond Coat (1 : 4 : 7 — Latex : Water : Cement)

- Apply one coat of the mix.
- When tacky, place plaster or concrete.

#### Waterproof Coating (1 : 4 : 7)

- Apply 1st coat by brush.
- After 4–6 hours, apply the 2nd coat.
- Protect with screed or plaster.

#### Rebar Coating (1 : 4 : 7)

- Apply one coat over cleaned rebars.
- Place mortar/concrete when tacky.

## Salt-Petre Free Plaster (1 : 4 : 7)

- Apply two coats on brick masonry.
- Place plaster when the second coat is tacky.

## Patching, Renders & Crack Repair Mortar

- Mix: 5 kg Latex + 15 L Water for every 50 kg cement + 150 kg sand.
- Maintain water-cement ratio at 0.4-0.45.
- Use as bond coat before filling cracks.

## Waterproof Plaster

- Mix: 1 kg Latex + 20 L Water for 50 kg cement + 150 kg sand.
- Apply a bond coat for better adhesion.
- Do not add SBR latex to the final layer; instead add LW+ admixture.

## TECHNICAL INFORMATION :

Property	Result
Appearance	Free-flowing liquid
Colour	Milky white
Specific Gravity @ 30°C	1.00 – 1.05
Non-volatile content	42 – 44%
pH	7 – 10
Bond Strength	5 N/mm <sup>2</sup>
Chemical Resistance	Resists mild acids & alkalis
Freeze-thaw Resistance	Excellent

## PRECAUTIONS & LIMITATIONS :

- Follow recommended dosage strictly.
- In hot weather, add extra water to compensate loss due to evaporation.

## COVERAGE :

- Approx. 70–80 sq.ft/kg for 2 coats at 1:4:7 mix ratio.

## SHELF LIFE & STORAGE :

- Shelf life: 18 months in sealed condition.
- Store in a cool, dry place away from sunlight.

## HEALTH & SAFETY :

- Wear gloves and goggles.
- Wash with water if it contacts skin.
- Keep away from children.

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