



**Adhveya Drymix India Pvt. Ltd.**

Strength Engineered. Excellence Delivered.

# SBR BONDING AGENT

**High Performance Styrene Butadiene Rubber (SBR) Polymer Emulsion**

Enhances adhesion, waterproofing, flexibility and durability of cementitious mortars and concrete.



**SUPERIOR  
BOND STRENGTH**



**WATERPROOFING  
ENHANCEMENT**



**IMPROVED  
FLEXIBILITY**



**REDUCED  
PERMEABILITY**



**CONCRETE  
REPAIR**



**INTERIOR &  
EXTERIOR  
APPLICATIONS**



**AVAILABLE PACK SIZES**

**1 LITRE • 5 LITRES • 20 LITRES**

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## WHAT IS SBR BONDING AGENT?

SBR Bonding Agent is a premium polymer emulsion designed to enhance the adhesion, strength and durability of cementitious systems. It forms a strong chemical bond between old and new concrete, improving flexibility, reducing permeability and ensuring superior long-term performance in demanding conditions.



### THE SBR ADVANTAGE

Advanced polymer technology that strengthens the bond, improves workability and delivers reliable, lasting results.



## KEY PERFORMANCE BENEFITS



### STRONGER BOND

Excellent adhesion to concrete, mortar and masonry surfaces.



### REDUCED PERMEABILITY

Limits water penetration and protects against damp and moisture.



### ENHANCED FLEXIBILITY

Improves movement accommodation and resists cracking.



### INCREASED DURABILITY

Resistant to abrasion, freeze-thaw cycles and weathering.



### BETTER WORKABILITY

Improves mix cohesion, application and overall finish.

## IDEAL FOR A WIDE RANGE OF APPLICATIONS



**CONCRETE REPAIRS**  
Patch repairs, spalling and rehabilitation.



**BONDING NEW TO OLD CONCRETE**  
Ensures monolithic bond and strength.



**INDUSTRIAL FLOORS & SCREEDS**  
Enhances strength and abrasion resistance.



**WATER RESISTANT RENDERS & SCREEDS**  
Improves water resistance and durability.



**WATERPROOF SCREEDS**  
Ideal for wet areas, terraces and roofs.



**TILE ADHESIVES FOR TILES & STONES**  
Improves adhesion and flexibility.



**NATURAL STONES, KERBS & COPINGS**  
Stronger bond for exterior elements.



**CHEMICAL RESISTANT FLOOR SCREEDS**  
Suitable for industrial environments.

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## SURFACE PREPARATION

Surface must be clean, sound and free from oil, grease, paint, dust, laitance and any loose particles. Roughen the surface to **create a mechanical key** by water blasting or suitable mechanical means.



## PRIMING (BONDING COAT)

- Mix 3 parts OPC + 1 part water + 1 part SBR Bonding Agent.
- Apply the slurry on pre-soaked surface.
- Work well into the substrate using a stiff brush.
- Apply subsequent mortar/screed "wet on wet".
- Do not allow the bonding coat to dry.
- If dried, re-prime before applying the mix.



## APPLICATION

- Apply the mixed mortar/screed with a steel trowel, float or suitable tool.
- Compact well onto the primed surface.
- Minimum thickness: 5 mm.
- Subsequent layers can be applied after approx. 12 hours. Prepare the first layer to create a 'key'.
- No further priming required between layers.
- For best results, conduct on-site trials to determine coverage.
- Refect expansion joints and seal with a suitable sealant from the ADHVEYA range.



## CURING

Curing is essential to prevent shrinkage cracks and ensure performance. Use ADHVEYA curing compounds immediately after initial set or removal of formwork. Typical curing period: 4-7 days for 10-25 mm thickness. Thicker sections may require up to 28 days depending on conditions. Floor finishes to be applied only when RH is  $\leq 75\%$ .

## MIXING GUIDELINES (per 50 kg OPC)

| APPLICATION                        | SAND (kg) | AGGREGATE 4-6 mm (kg) | WATER (L) | SBR BONDING AGENT (L) | APPROX. YIELD (L) |
|------------------------------------|-----------|-----------------------|-----------|-----------------------|-------------------|
| Bonding Slurry                     | 0         | 0                     | 14        | 10                    | 40                |
| Patch Repair (5-40 mm)             | 125       | 0                     | 6         | 10                    | 79                |
| Render (5-12 mm)                   | 150       | 0                     | 5         | 10                    | 87                |
| Heavy Duty Floor Screed (10-25 mm) | 75        | 75                    | 6         | 10                    | 88                |



Typical dosage of SBR Bonding Agent:  
6 – 10 litres per 50 kg of cement.

## TYPICAL TECHNICAL PROPERTIES\*

| PROPERTY                  | TYPICAL RESULT                             |
|---------------------------|--------------------------------------------|
| Compressive Strength      | > 35 MPa                                   |
| Tensile Strength          | > 5 MPa                                    |
| Flexural Strength         | > 10 MPa                                   |
| Bond Strength to Concrete | Greater than cohesive strength of concrete |

\* Results are based on laboratory conditions. Actual results may vary depending on site conditions and application.



### PACK SIZES

1 Litre  
5 Litres  
20 Litres



### SHELF LIFE

24 months from the date of manufacturing in original sealed pack, when stored in cool, dry conditions between 5°C – 25°C.



### STORAGE

Store in cool, dry place. Protect from direct sunlight and frost. Keep container tightly closed when not in use.



### SAFETY PRECAUTIONS

- For professional use only.
- Wear gloves and goggles during application.
- In case of contact with eyes or skin, rinse immediately with clean water.
- Do not ingest. Seek medical attention if swallowed.
- Refer to Safety Data Sheet (SDS) for complete information.



## MANUFACTURED BY:

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