



# EVO-FIX SBR

## STRENGTHENS & WATERPROOFS CONCRETE & MORTAR

EVO-FIX SBR is a specially modified Styrene Butadiene Co-polymer Latex for cement and mortar. It toughens, waterproofs and improves chemical and abrasion resistance of concrete and mortar, renders and screeds. It is an excellent all round primer and bonding agent.

- **Toughens floors & screeds.**
- **Superior water, chemical and abrasion resistance.**
- **For waterproof rendering, flooring, tanking, bedding, pointing etc.**



### USES

Improves adhesion, flexibility and reduces cracking in pointing, patching, bedding and bonding slurries. Toughens floor toppings and screeds. Waterproofs rendering, tanking and flooring. Improves bonding plaster and suction control. Waterproofs external renders above ground. Improves frost, water, chemical and abrasion resistance.

It is recommended for use in effluent tanks, dairies, food factories, fertiliser stores and other demanding situations. Evo Fix SBR is an excellent all round primer and bonding admixture.

This product has been designed to work with Portland cement: CEM I and Portland-fly ash cement: CEM II/B-V. For other types of cement e.g. Portland-limestone CEM II / A-LL it is recommended that a small trial is carried out to ascertain the optimum mix ratios as these cement types and sand can vary.

### DIRECTIONS FOR USE

**IMPORTANT:** Before using Evo Fix SBR refer to the relevant Health & Safety Data Sheet, available at [www.bostik.ie](http://www.bostik.ie).

### PREPARATION

Wear gloves and suitable eye/face protection. Surfaces must be sound, dry, clean, and free from grease, dust or loose material.

Key surface by scabbling, vacuum grit blasting or planing.

Ensure the working temperature is above 5°C

For all applications, dampen porous surfaces before applying the appropriate EVO-FIX SBR Bonding Slurry,

Sands must be well graded, clean and meet appropriate Standards.



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### PRODUCT CHARACTERISTICS

<b>Colour</b>	Milky white
<b>Form</b>	Liquid
<b>Specific gravity</b>	1.0 approx.
<b>Composition</b>	Modifies styrene butadiene co-polymer latex
<b>Sizes</b>	5 Ltr <span style="float: right;">30812586</span>

### TYPICAL PERFORMANCE DATA (Approx.)

<b>Application temperature</b>	+5°C to +25°C
<b>Coverage (undiluted)</b>	6m <sup>2</sup> to 10m <sup>2</sup> per litre dependent on application thickness.
<b>Open time</b>	5 to 10 minutes approx. at 15°C depending on the substrates porosity
<b>Tack duration</b>	10 to 90 minutes at 15°C
<b>Bonding</b>	Maximum strength is attained in 24 hours.
<b>Priming</b>	Dries after approx. 1 hour.
<b>Drying times</b>	<b>Sealing Concrete Floors:</b> Usually 8 hours approx. before foot traffic is allowed. <b>Priming:</b> Dry after 1 hour approx. <b>Bonding:</b> Maximum bond strength after 24 hours approx. Dependent on ambient conditions.
<b>Cleaning</b>	Clean tools and equipment with water immediately after use.
<b>Storage/ shelf life</b>	Store for up to 2 years from date of manufacture when stored in original unopened containers in a cool, dry place within the temperature range +5°C to +25°C and out of direct sunlight. Protect from frost. Store and transport securely in an upright position. Ensure the cap is fully closed.

## **APPLICATION:**

Please note that the following recommendations are for guidance only and do not constitute a specification.

- In all cases refer to product data sheet

## **BONDING SLURRY (PARTS BY VOLUME)**

- Mix one part EVO-FIX SBR to two parts Ordinary Portland Cement.
- Add water as required.
- Coverage approx. 4m<sup>2</sup> per litre.

## **FLOOR TOPPINGS AND SCREEDS**

Mix and apply the following mix designs dependent on the thickness required.

### **For thickness <12mm.**

- By weight:  
25kg cement / 62.5kg sand / 5L EVO-FIX SBR / 5L water.
- By volume:  
1 part cement / 2 parts sand / SBR to Water 1:1

### **For thickness >12mm.**

- By weight:  
25kg cement / 75kg sand / 5L EVO-FIX SBR / 5L water.
- By volume:  
1 part cement / 2.5 parts sand / SBR to Water 1:1

5 litres of water is recommended for dry sand mixes. If sharp, washed sand is wet, reduce the water quantity accordingly.

Keep mix just wet enough to obtain good compaction. Finish quickly with a steel trowel.

## **EXTERNAL WATERPROOF RENDERS ABOVE GROUND**

- Apply bonding slurry, stipple to provide a key and allow to dry.
- Apply a second bonding slurry coat at right angles to the first and stipple to provide a key.
- Apply the render mix while the slurry coat is still tacky.

### **Render mix:**

- By weight:  
25kg cement / 75kg sand / 5L EVO-FIX SBR / 5L water.
- By volume:  
1 part cement / 2.5 parts sand / SBR to Water 1:1

5 litres of water is recommended for dry sand mixes. If sharp, washed sand is wet, reduce the water quantity accordingly.

Apply 2mm to 6mm render coats allowing no more than 8 hours between coats. If more than 8 hours has elapsed between coats apply another bonding slurry coat.

Prevent from drying during the first 48 hours by covering with polythene or mist spraying with water when initially firm.

## **CONCRETE REPAIR**

- If steel reinforcement is exposed, wire brush or grit blast to remove rust and scale.
- Prime exposed steel using a bonding slurry and allow to dry.
- Dampen surrounding concrete.

- Apply another bonding slurry coat to the entire area, (including the previously coated steel reinforcement) to be repaired.
- While the bonding slurry coat is still wet, apply the following mix.
- By weight:  
25kg cement / 62.5kg sand / 7.5L EVO-FIX SBR / 2.5L water.
- By volume:  
1 part cement / 2 parts sand / SBR to Water 3:1

2.5 litres of water is recommended for dry sand mixes. If sharp, washed sand is wet, reduce the water quantity accordingly.

### **POINTING**

- Apply a bonding slurry coat into the joints.
- Point joints with the mix detailed above whilst the bonding slurry coat is still wet.
- Prime small areas at a time to avoid the bonding slurry coat from drying out before the pointing is completed

### **SUCTION CONTROL**

- Mix 1 part EVO-FIX SBR to 4 parts water.
- Brush on to surface and allow to dry.

