



## SBR Bonding Agent

Code 141 for 5Kg  
Code 144 for 10Kg  
Code 146 for 25Kg

### USES

- Concrete repair
- Floor screeds and toppings
- External rendering
- Waterproofing and tanking
- Fixing brick slips and tiles
- Corrosion protection of steel
- Silage pit lining and protection

### PROPERTIES

- Improved water resistance
- Resistance to salt migration
- Reduction of surface dusting
- Improved resistance to chemical attack
- Improved frost resistance
- Improved abrasion resistance
- Excellent adhesion steel and concrete  
Sticks well to brick,  
glass, asphalt, wood, expanded  
polystyrene and most building materials
- Enhanced corrosion protection
- Improved strength and flexibility
- Tensile strength increased
- Greatly increased flexural strength
- Greatly reduced shrinkage
- Reduction of water, cement ratio
- Improved application as thin section  
mixes and for floor repairs
- Similar thermal expansion and modulus  
properties to concrete

### DESCRIPTION

Biokil Crown SBR is a styrene-butadiene co-polymer latex specifically designed for use with cement compositions. It is used in mortar and concrete as an admixture to increase water resistance, wear resistance and durability. It is used with cement as a reliable water-resistant bonding agent.

### Preparation

Areas should be cleaned as required to remove dust, efflorescence, paint, grease, oil or other materials to give a sound base. Methods used include sand blast, water blast, chip or chemical cleaning. Flush cleaned areas with plenty of water and allow excess moisture to drain or absorb on a sponge.

### Mixing

Bonding Agent - Dilute SBR 1 part to 3 parts water. Apply by brush to the cleaned substrate and allow to dry for 20 minutes. Apply a second coat of SBR and apply plaster whilst this coat is still wet.

Priming/Bonding Slurry- To produce a bonding slurry, dilute 1 part SBR additive with equal volume of water, then mix to a smooth creamy consistency with 5 parts (by volume) Ordinary Portland Cement (OPC) to give a coverage of 30 square metres per 5 litres of SBR per coat. Following preparation of the substrate (as detailed) the slurry should be brushed vigorously into the surface to a thickness of 1mm (approx). Subsequent coats should be applied whilst the first coat is still 'tacky'.

Renderers - To produce a dense, impermeable render use 50kg OPC, 125kg clean, sharp sand (BS:1199), with 15 litres of SBR additive and mix with water as required. Apply render in two well scratched 6mm coats to give 12mm thickness overall. This will give 8 square metres of rendered wall. Allow 4-6 hours between each coat.

Damp Proofing- Where dampness is present or expected, either below or above ground, then three coats of bonding slurry should be applied before application of any further render or waterproofing system. Each slurry coat should be allowed to become 'touch dry' before the next coat is applied.

Flooring To produce high quality, hard wearing floor finishes use 50kg OPC, 75kg sharp flooring grit, 75kg granite chips (3mm) with 10 litres of SBR additive and mix with water as required. This will give 8 square metres of screed laid at a 12mm thickness. Prepare floor base well and apply bonding slurry. Mix materials semi-dry and lay onto the slurry up to a thickness of 25mm. For additional thickness reduce SBR to 5 litres and add extra water to produce a semi-dry mix.

Other uses SBR can also be used for concrete repairs, waterproofing and tanking, floor screed and protection of steel reinforcing against corrosion.

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# TECHNICAL DATA



Note: Where SBR is used in cementitious coatings, dilution ratio can be varied depending on the strength of bond required. 1:1, 1:2 or 1:3 dilution with water is normally required dependent on the substrates condition.

## CONTENTS

High solids, synthetic rubber latex acrylic polymer.

Solids Content	48%
pH	10.5
Specific Gravity	1.01
Boiling point	100 deg C
Freezing point	0 deg C
Solubility in water	Miscible in all proportions

## COVERAGE

Depends on usage.

## PACKAGING

5Kg, 10Kg and 25Kg containers.

## SAFETY

### Spillage

Contain spillage and soak up with sand, earth or other suitable absorbent. Small spillages or residue may be flushed with large quantities of water. Prevent entry into watercourses.

### Personal Protective Equipment

Hands - Use impervious gloves where frequent or prolonged contact.

Body - Wear overalls.

## STORAGE

SBR should be stored in a cool dry place. Protect from frost

Shelf Life 12 months

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