

# BC Mix SBR

## Product Description:-

BC Mix SBR is modified styrene butadiene emulsion specially designed for use as a bonding aid and gauging liquid for cementitious systems. It is resistant to hydrolysis and can therefore be used for external applications too.

## Uses:

For modifying and improving bonding of floor toppings, renderings and mortars; repair of worn, damaged and spalled concrete, repair of large cracks; polymer modified floor screeds; waterproof plasters for masonry and slurries.

## Basic uses:

Filling cracks, holes in the concrete surfaces. Leveling uneven concrete surfaces. Can be applied in both interior and exterior applications. Resistant to UV radiation and rain.

## Advantages:

Simple to use - Single component, gauged as required.
High - Provides excellent bond to concrete, adhesion plaster, masonry, stone work, etc.
Improves - Gives weather resistant mortar with improved durability impermeability to chlorides and other harmful agents.
Reduces - Provides waterproof screeds, plasters and Permeability slurries.
Increases - Improved tensile and flexural properties strength allow thin applications.
Versatile - Compatible with all common hydraulic cements.
Cost effective – BC Mix SBR (Latex) is economical to use

## Surface Preparation:

The object of the surface preparation is to achieve a clean sound surface with a good mechanical key. All substrates should be cleaned and free of dust, plaster, oil, paint, grease, corrosion deposits, and any other deleterious substances. Laitence should be removed by mechanical means. Smooth substrates must be mechanically roughened e.g. by scabbling, needle gun or grit blasting to provide an adequate key.

Corroded reinforcing steel should be exposed around its full circumference and cleaned to remove all loose scale and corrosion deposits. It is always preferably to clean the steel to a bright condition. Use of emery cloth, grit or sand blasting is recommended.



## **Priming:**

Reinforcing steel must be primed with zinc Primer immediately after cleaning. The concrete substrate should be thoroughly dampened with water and any excess removed before being primed by thoroughly scrubbing in a slurry coat of 1 volume BC Mix SBR (Latex) to 1 volume water to 3 volumes fresh cement. In order to obtain a smooth consistency the cement should be blended slowly into the liquids. Stir frequently during use to offset settlement.

Avoid 'puddling' of the slurry coat. The topping must be applied on to the wet slurry. If the slurry dries out it must be removed and the clean substrate reprimed.

## **Typical Mix designs:**

1. Patching and repair mortars and plaster for masonry

Cement 50 kg

Zone II sand 150 kg

BC Mix SBR (Latex) 5 - 9 litres Recommended water addition 11 - 15 litres

Recommended thickness 8 to 30mm

2. Heavy duty floor screeds

Cement 50 kg

3-6mm Granite chips 75 kg

Zone II sand 75 kg

BC Mix SBR (Latex) 5-9 litres Recommended water addition 8-12 litres

Recommended thickness 10-25mm

The screed should be of a semi-dry cohesive consistency.

In order to prevent rapid drying, mortars should be properly cured with Concure WB, curing compound. Protect uncured mortar from frost. Do not retemper mortar or primer after initial set.

## **Packaging:**

BC Mix SBR (Latex) is supplied in 1, 5 and 20 litre containers.

Coverage

Slurry primer - approximately 4- 5 m<sup>2</sup>/ litre depending on substrate porosity.

## **Shelf life:**

BC Mix SBR (Latex) has a shelf life of 12 months if kept in a dry store in unopened condition.

### **Building Chemistry Industry**

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## Cleaning:

Tools and equipment should be washed with water immediately after use.

Additional Guidance

Prepare surfaces thoroughly. Toe-in at edges wherever possible to avoid feather edging.

All surfaces including edges must be primed.

All applications should be wet on wet, the primer must not be allowed to dry.

The level of added water in the mix designs may need adjusting to achieve the required consistency. In general water content should be kept to the minimum necessary.

For consistent performance the use of clean, dry sand is recommended. Where wet sand is used, reduce the added water level as appropriate.

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