

SBR LATEX FOR CONCRETE

SBR Latex is a styrene-butadiene copolymer, designed for use as latex admixture for the modification of cement composites.

The addition of SBR Latex to cement products enhances the physical and chemical properties of the composite, giving;

- increased compressive and flexural strength
- improved bonding to substrates
- improved resistance to moisture
- improved resistance to chemical attack

Typical Properties

Total Solids Content (wt %)	7.0%
pH	1.0
Coagulum (wt. & dry/dry on 80 mesh screen)	0.05
Viscosity (Brookfield, LTV spindle 2, 60 rpm)	100.0
SG	1.00

Suggested Applications

Cement products modified with SBR resin may be used in a wide variety of applications:

- Tiecoat for floor screeds and wall renders
- Floor screeds
- Wall renders
- Patching cements for repairs
- Cement based tile adhesives
- Nosing
- Corrosion protection of reinforcing steel.

Methods of Application

1). Surface Preparation

New Surfaces

Prior to application of SBR resin modified cement products, the surface should either be lightly scabbled to remove surface laitance or acid etched using a mixture of 1 part HCl Acid (concentrated) to 2 parts water. The surface should then be thoroughly washed with clean water only. The surface should be left damp, although pools of water should be removed.

Old surfaces

It is necessary to remove all unsound or crumbly material as well as any surface contaminants. This is best achieved by mechanical scrubbing followed by thorough hosing. As with new surfaces, the surface should be left damp.

2). Priming

It is recommended that a primer coat be applied to the prepared surface. This should be a mixture of 2 parts cement to one part SBR resin and should be well brushed into the surface. Renders etc should be applied before the render dries.

3). Renders, Screeds

Except for small mixes of less than 40 Kgs, mixing should be carried out in a concrete mixer. Sand and cement should be premixed, then SBR resin added at a rate of 8 – 10 litres per 40 Kg bag of cement. Finally, water should be added cautiously to Achieve the desired consistency.

For many applications a 3:1 blend of clean sand: cement is satisfactory, although very fine particle material such as clays should be avoided. The render or screed should be trowelled to achieve the desired finish.

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