

MAK SBR LATEX

[Specialized SBR based multipurpose polymer for waterproofing, repair and bonding]

DESCRIPTION:

Mak SBR Latex is a specialized modified styrene butadiene emulsion to be mixed with cement slurry, cement mortar, concrete or cementations grout for improved adhesion and water resistance properties. It is fully soluble in water and is added directly to the gauging water of slurry, mortar, concrete or grout.

USES:

Mak SBR Latex is used as bonding agent, waterproof coating and site-mix mortar admixture for the following applications:

- Bonding of rendering and coating layers
- Bonding between successive concrete casts
- Cement grouting and screeds
- Polymer modified repair mortars
- Masonry mortars
- Renders
- Tile fixing and paneling
- Waterproof plastering Waterproofing of roof slabs, sunken slabs, basements, retaining walls, water tanks, sunshades etc.
- Treatment for leaching and saltpeter action

CHARACTERSTICS /ADVANTAGES:

- Multipurpose polymer and admixture
- Good adhesion to most substrates
- Increases adhesion, flexural and tensile strength Improves abrasion resistance, limits wear and dust production
- Reduces cracking in mortar and concrete
- Reduces water permeability
- Increases chemical resistance
- Non-toxic, non-corrosive and non-flammable
- Reduces viscosity of cement and improves bond
- Easy to use
- Does not re-emulsify even in high alkaline conditions
- Long life and watertight masonry jointing

PRODUCT INFORMATION :

Chemical base	Styrene butadiene rubber emulsion
Packaging	1 kg, 5 kg, 10 kg, 20 kg, 50 kg container
Shelf life	18 months from date of production
Storage conditions	The product must be stored properly in undamaged and unopened original sealed packaging, in dry conditions at temperatures between +5 °C and +35 °C. Protect from frost and direct sunlight.
Appearance / Colour	Liquid / Milky white
Specific gravity	~1.02
pH-value	8 ± 1

TECHNICAL INFORMATION :

Tensile adhesionstrength	≥ 1.5 N/mm2 (concretefailure)	(EN 1542)
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APPLICATION INFORMATION :

Consumption	Application area	Mixing ratio	Consumption of mixture	Consumption of Mak SBR Latex
	Waterproofing coating	Mak SBR Latex: Water: Cement =1:2:4	~600 g/m ² per coat	~80 g/m ² per coat
	Bonding coat	Mak SBR Latex: Water : Cement = 1:1:4	~300 g/m ² in single coat	~50 g/m ²
	Repair mortar	Mak SBR Latex: Water : Cement : Sand = 1 : 2 : 6 : 18	~1800 kg/m ³	~70 g/m ² per mm thickness

Note: The above stated consumption depends on substrate condition, porosity, level, application skills and mixing ratios. Mix consistency may change with the quality of sand and cement, hence gauging water maybe adjusted slightly based onsite conditions.

Mak SBR Latex may also be used for applications such as injection grouting, masonry jointing, polymer concrete or screed, crack filling, etc.

Ambient air temperature

+5 °C min. / +40 °C max.

Substrate temperature

+5 °C min. / +40 °C max.

Application time

~20 to 30 minutes at +30 °C when used as coating, mortar or bonding agent

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