

SHELLCRETE SBR

MULTIPURPOSE SBR LATEX FOR REPAIR, BONDING AND WATERPROOFING

PRODUCT DESCRIPTION

SHELLCRETE SBR LATEX (PC 2114) is a single component speciality Styrene Butadiene Latex synthetic rubber emulsion which can be used in cementitious formulation for repair of mortar, damaged concrete, flooring, bonding and waterproofing and other concrete modification purposes. It improves elasticity, flexibility, tensile strength of cement and reduces cracking there by making the mortar waterproof and reducing susceptibility to acids and gases, salt penetration etc. It reduces viscosity of cement injection grout and improves bond cured injected material with substrates.

PRODUCT PROPERTIES	SPECIFICATIONS
Appearance	Milky white pourable liquid
Emulsifying System	Synthetic anionic and nonionic
Total Solids (%)	48 ± 2
pH at 25 °C	9.5 ± 0.5
Viscosity LVF (CPS) SP.1,12 RPM at 25 °C	80 – 300
Surface Tension (Dynes/cm) at 25 °C	40 ± 5
Specific Gravity	1.023 ± 0.005
Dilutability with water	Can be diluted in any proportion
Compatibility	Compatible with Cement and Concrete mixture
Coverage	0.5 kg / sqm ²

ADVANTAGES

- Provides excellent water impermeability
- Good workability at reduced water/cement ratio
- Improved bonding and adhesion to substrates
- Superior toughness and flexibility
- Can be applied in thinner sections
- Improved abrasion resistant flooring
- Highly durable waterproof cementitious system against UV

AREA OF APPLICATION

- **SHELLCRETE SBR** is used for modification of hydraulic binders in common applications like repair mortar, flooring, rendering, bonding, mineral sealing slurries and as cement based adhesives
- For waterproofing of roof slabs, sunken slabs, basements, water tanks, sunshades etc in combination with cement
- As a bonding agent for used in repair and plastering
- For making polymer mortar for repairs etc
- Treatment for leaching and salt penetration
- Multipurpose mortar admixture for injection grouts

APPLICATION METHODOLOGY

SURFACE PREPARATION: Surface should be clean and free from dust, oil and grease and should be saturated surface dry.

MIX PROPORTIONS: Mix **SHELLCRETE SBR LATEX** in the following ration and proportions as per the applications.

Repair / Patch mortar – 5% to the total value of cement sand mortar.

Bonding Agent – 15 % to the total value of cement sand mortar.

Corrosion Protection Slurry – In a ration 1:2 to cement.

Injection Grouting – 25 % to the total value of cement.

PACKAGING

Available in 1kg and 5kg PVC container.

STORAGE

Store the material in cool and dry place. Shelf Life is 1 year in unopened containers.

Our Products & Services

- ▶ APP & SBS Specialized Waterproofing Membranes
- ▶ Specialized Products for Highways & Road Surfacing
- ▶ PU Bituminous Waterproofing Liquid Membrane
- ▶ Anticorrosive Coating and Tapes
- ▶ Construction Chemicals and Building Materials
- ▶ Specialized Civil & Waterproofing Contracts
- ▶ Admixtures, Sealants and Grouts
- ▶ Thermal Insulation Products
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