PolyPrime SBR

Water Resistant Additive And Bonding Agent For Cement Systems

Description

PolyPrime SBR is a high-performance SBR co-polymer latex admixture specifically developed to enhance the performance of cementitious mortars, screeds, renders, and bonding systems.

When incorporated into cement-based mixes, it produces polymer-modified systems with excellent adhesion, improved flexibility, enhanced tensile and compressive strengths, and superior resistance to water, vapor, and mild chemical attack. The product is also suitable for use as a bonding agent and waterproofing additive in a wide range of construction and repair applications.

Technical Properties

Appearance	Liquid
Color	White
Water Vapour Permeability	Reduced by 96%
Adhesion	Excellent to concrete, steel, brick & glass
Chemical Resistance	Resists mild acids, alkalis, sulphates, chlorides etc.
Specific Gravity	1.01
Application Temperature	+5 °C to +40 °C
Pot Life (25°C)	24 Hours

All values are nominal and subject to a tolerance of ± 5-10%

Key Features

- Excellent adhesion performance
- Improves strength and flexibility
- Water and vapor resistant
- Enhances chemical resistance
- Reduces shrinkage and cracking
- Suitable for potable water contact
- Cementitious systems compatibility
- Easy to mix and apply

Area Of Use

- Bonding slurries and repair mortars
- Floor screeds and concrete repairs
- Mixed with repair mortars to improve adhesion and durability
- Tile bedding and slip brick fixing
- Waterproof cementitious coatings
- Added to tile adhesives to enhance flexibility and bonding performance

Packaging

PolyPrime SBR is available in:
20 Liters Pail
200 Liters Drum

Storage

Keep the product in dry and sheltered place at temperature between +5ºC to +35ºC. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

www.polycrete.me
info@polycrete.me

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Application Procedure

Surface Preparation

All substrates must be structurally sound, clean, and free from dust, grease, laitance, curing compounds, and loose materials.

Damaged concrete should be cut back to sound material and reinforcement steel must be free from corrosion and contaminants prior to application.

Mixing Procedure

PolyPrime SBR is supplied as a single-component ready-to-use polymer admixture.

Stir lightly before use to ensure a uniform consistency.

Application Instruction

Bonding Agent

PolyPrime SBR may be applied directly onto prepared substrates as a bonding agent to improve adhesion between old and new concrete. It is also suitable beneath screeds, self-leveling compounds, renders, and cementitious waterproofing systems.

Bonding Slurry

For bonding slurry applications, mix 2 parts cement with 1-part PolyPrime SBR and adjust with clean water to achieve a smooth brushable consistency. Apply onto the prepared damp substrate and place the modified mortar or screed while the slurry remains wet and tacky.

Additive

PolyPrime SBR may be added to cementitious tile adhesives, repair mortars, renders, and screeds to improve adhesion, flexibility, water resistance, durability, and shrinkage control. Mixing ratios should follow the relevant product Technical Data Sheet (TDS).

Quality & Care

All products provided by PolyCrete are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001, ISO 14001 & ISO 45001.

Health & Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor. For further information or particular use, contact PolyCrete Technical Department.

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