

Creative PolyBond-SBR

Latex Polymer, Styrene Butadiene Rubber Based Bonding Agent

DESCRIPTION

Creative PolyBond-SBR is a styrene butadiene rubber co-polymer based product which is used in mortar and concrete as an bonding agent to increases adhesion, flexural & tensile strength. It also provides water resistance and durability.

SCOPE OF USE

Creative PolyBond-SBR is used as a bonding agent for cementitious plasters, renders etc. It is used to increase water tightness of renders to be applied on internal and external walls, basements, swimming pools, water tanks, tunnels, underpasses, sludge tanks etc. It is also used as an additive in mortars for repair of damaged concrete elements, bonding rush coat for plaster etc. It is mostly used for bonding of new to old concrete.



STANDARDS

ASTM C1059 Type II, ASTM C932

TYPICAL PROPERTIES AT 25°C

PROPERTY	TEST METHOD	VALUE
Component		Single
Form		Liquid
Colour		Milky White
Specific Gravity	ASTM D1475	1.02 kg/ltr +/- 0.05
Compressive Strength	BS 6319-2	10-15% increase over control
Flexural Strength	BS 6319-3	5-10% increase over control
Tensile Strength	BS 6319-7	5-10% increase over control
Tensile Bond Strength	ASTM C932	> 1 N/mm ² at 28 Days
Pullout Strength	ASTM D 4541	> 1 N/mm ² at 28 Days
Slant Shear Bond Strength	ASTM C1042	> 8.6 N/mm ² at 28 Days

SURFACE PREPARATION

Surfaces should be clean, sound, free of dust, loose particles, grease, oil, etc. Absorbent surfaces should be saturated thoroughly with water. Avoid ponding. Exposed rebar should be cleaned to a bright condition by grit or sandblasting.

KEY ADVANTAGES

- Provides excellent bonding strength
- Improves tensile and flexural strength
- Water resistance and durability
- Compatible with all types of cements
- Reduces shrinkage
- Suitable for internal and external applications in conjunction with cement
- Single component, easy to use
- Reduces water/cement ratio
- Helps in reducing attack of aggressive elements by reducing porosity
- Non toxic

FIELD OF APPLICATION

As a Bonding: For bonding of new to old concrete, plaster to plaster, concrete to plaster, bricks slips & copings.

As a Water proofing: Basement, swimming pools, toilet, wet areas, water tanks, tunnels & underpasses.

As a Crack Repair: Prevents plaster & Concrete cracks by improving flexural strength.

As a Rebar coating: Coating for prevention of corrosion over rebars.

As a external rendering: Weatherproof, high wear & erosion resistant render. Bonding slurry coat for pinhole treatment on porous concrete surface & repair mortar for overhead applications.

As an Admixture: As an admixture for increase its water resistance & Durability.

GENERAL GUIDELINES

MIXING RATIO'S	FITBOND SBR	WATER	CEMENT	FINE SAND (0.6MM)
For Repair mortar 6-40 mm	5 - 10 ltr	As per required consistency (8-12 ltrs)	50Kg	150kgs
For Floor Screed 30-70 mm	5 - 10 ltr	As per required consistency (6-10 ltrs)	50Kg	100kg+50kg 10mm down aggregate
For Renders 6-15 mm	5 - 10 ltr	As per required consistency (6-10 ltrs)	50Kg	150kg+75kg 5mm down aggregate

APPLICATION

As a Neat Bonding Agent: Stir Creative PolyBond-SBR well and apply using brush, roller or spray on the prepared surface. Ensure that the material is spreaded evenly on the entire surface. Subsequent material to be bonded should be placed while Creative PolyBond-SBR is still tacky.

As a Bonding Slurry Coat: Apply slurry bonding coat made up of Creative PolyBond-SBR, water and cement ratio of 1:1:1 by weight using brush or roller.

As an Additive: Creative PolyBond-SBR modified mortars, toppings and renders must be well compacted on the prepared substrate by trowel. Exposed steel reinforcement should be completely encapsulated by the mortar. Creative PolyBond-SBR modified mortars can be applied at a thickness of 6 mm to 40 mm. Where thick sections in excess of 40 mm are to be built-up, the surface of the intermediate layers should be keyed and primed.

CURING

Creative PolyBond-SBR modified cementitious systems should be cured just after initial setting with water or with a suitable curing agent from JetCure range of curing compounds.

PACK SIZE

5 lt, 20 ltr

COVERAGE

As a neat bonding agent: 5-7m²/1tr/coat. Actual coverage depends on texture and porosity of substrate. As an additive for tile adhesives, bedding mortars, sand-cement renders, plasters and screeds, the dosage may vary from 10 to 20% by weight of cement.

GENERAL INFORMATION

Shelf Life	12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature / humidity may reduce shelf life.
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Cleaning	Clean all equipment and tools with water immediately after use. Hardened material can be removed mechanically.
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HEALTH AND SAFETY

PPE's	Gloves, goggles and suitable mask must be worn.
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Precautions	Contact with skin, eyes etc. must be avoided. If swallowed seek medical attention immediately.
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Hazard	Regarded as non-hazardous for transportation.
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Disposal	Do not reuse containers. To be disposed off as per local rules and regulations.
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Additional Information	Refer MSDS. (Available on request)
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TECHNICAL SERVICE

Creative Chemical Company technical services are available on request for onsite support to assist in the correct use of its products.



Creative Chemical Vietnam Co. Ltd.

No-15, Street-10A, Bien Hoa Industrial Zone 1, Bien Hoa City, Dong Nai, Vietnam
Phone: (+84) 251 8877 400, (+84) 61 3836 125, Email: info@creativechemical.net, Web: creativechemical.net

Creative Chemical products are produced with ISO 9001:2015 standard terms and conditions. So it's customer responsibility to maintain and follow up the TDS and weather forecast carefully. We can not guarantee the application and end use as it depends on various conditions and weather.