

PACTOBond SBR

Multi-Purpose, Synthetic Water Resistant Bonding Agent & Mortar Additive



DESCRIPTION

PACTOBond SBR is a styrene-butadiene copolymer latex bonding agent, specifically designed for use with any type of cementitious compositions. It has excellent resistance to water permeability, improved abrasion and salt permeation. It compensates many of the deficiencies in mortar mixes without detracting its set in strength & properties.

TYPICAL USES

- Bonding agent for tiles, cement screeds, renders, plasters, concrete and concrete repairs.
- Floor screeds and toppings.
- Waterproofing and tanking.
- Corrosion protection of steel.

ADVANTAGES

- Improved flexibility & reduced shrinkage.
- Lower water-cement ratio.
- Highly resistant to water penetration.
- Excellent adhesion to Steel, Concrete, bricks, glass, asphalt, wood, expanded polystyrene,
- Non-toxic, non-hazardous and can be used with potable water.

TECHNICAL DATA

Property	Test method	Value
Compressive strength	(BS 6319, Pt1:1983)	40N/mm ² dependent on cement used and workability
Water Vapor permeability:		Less than 4gm/m ² /24hr, through an 11mm thick test
Tensile Strength	(ASTM C-190-1985)	2.7 N/mm ²
Flexural Strength	(BS 6319, Pt 3: 1983)	7.9 N/mm ²

TECHNICAL DATA

Property	Test method	Value
Co-efficient of thermal expansion:		-20°C to +20°C: 12.8 x 10 ⁻⁶ -20°C to +60°C: 12.9 x 10 ⁻⁶
Specific Gravity		1.01 (± 0.02%)
Solid Content		32% (± 1%)
Resistance to water under pressure		Excellent
VOC	USEPA 24	25 g/L

Note: indicated strengths are typical. Variation in cement used and workability can give increased strengths.

APPLICATION

Concrete repair:

PACTOBond SBR As an additive with repair mortars for Spilled concrete, repairs of floors, beams and precast slabs. Also can be used for bonding new concrete to old concrete

Floor screeds and toppings:

PACTOBond SBR as an additive, for underlay coat to special finishes of chemical and effluent-resistant floors.

External rendering:

PACTOBond SBR can be used to obtain a Water & Weather resistant durable render.

Waterproofing:

PACTOBond SBR can be used for waterproofing of basements, lift pits, water towers, liquid tanks, and swimming pools or to any area where total waterproofing is required.



Surface preparation

Concrete: Surfaces to which **PACTOBond SBR** is to be applied should be clean, sound and free of laitance, oil, grease, mould or curing compound. Clean thoroughly the concrete surfaces using wire brush, scrubber or other equipment as appropriate. When repairing spilled or damaged concrete, ensure that the concrete has been cut back to sound material.

Steel: Ensure that reinforcing steel is clean and free from grease or oil; remove scale and rust.

Apply **PACTOBond SBR** modified mortars in coats at a maximum thickness of 6mm per coat. Greater thickness can lead to slumping.

Dosage rate

For all normal use the standard dose is 5 % of the mix design by volume. For extreme conditions and/or when adhesion, waterproofing, water vapor resistance or chemical resistance are critical, the dosage should be increased to 10%

Effects of over dosage

The recommended levels should not be exceeded. Gross over-dosage, but will result in an increase of the polymer properties to the detriment of the compressive strength.

CURING

Correct curing of **PACTOBond SBR** modified mixes is important. Moisture cure for 24 hours and then allow to dry out slowly. (Note that initial curing is necessary to provide good conditions for the hydration of the Mortars)

PACKAGING AND YIELD

PACTOBond SBR is supplied in 5, 20 and 200 ltrs Drums

STORAGE AND SHELF LIFE

Store out of direct sunlight and protect from extremes of temperature. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.

HEALTH AND SAFETY

Avoid eye contact and prolonged contact with skin. During application always wear gloves and appropriate clothing to minimize contact. In case of eye contact immediately flush with water for 15 minutes. Should skin contact occur, wash immediately with soap and water. Seek physician advice if the symptoms persist



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