

TECHNICAL DATA SHEET



SBR Latex Bonding Agent



DESCRIPTION

SB7® SBR LTX is a styrene-butadiene copolymer latex (SBR) used as a bonding and waterproofing agent in concrete and mortar applications. When added to cement-based mortars and concrete, **SB7® SBR LTX** enhances the following properties:

- Improved flexural and compressive strength
- Resistance to abrasion, fuel, oils, and salt
- Limited shrinkage
- Enhanced waterproofing and durability
- Increased adhesion

APPLICATIONS

SB7® SBR LTX is primarily used for:

- Industrial flooring
- Concrete repairs
- Bonding slurries
- Watertight compartments
- Potable water reservoirs
- Cement-based adhesives
- Internal and external mortars
- Bonding of fresh concrete to hardened concrete

PACKAGING

SB7® SBR LTX is available in 10-liter, 20-liter, and 200-liter containers.

TECHNICAL PROPERTIES & METHOD OF USE

For effective application, ensure the surface is sound, clean, and free from oil and grease. For slurry applications, mix **SB7® SBR LTX** with water at a 4% ratio of the cement weight. Apply the slurry manually or by mechanical spraying. Water cure for three days. For floor screeds, prime the substrate with a slurry of cement, sand, and **SB7® SBR LTX** diluted in water (1:1 volume ratio). While the surface is tacky, pour the concrete. The screed's performance can be further improved by adding 2-8% **SB7® SBR LTX** to the cement weight. Distribute the mixture on the substrate and level as required. Traditional mortar quality can also be improved by adding **SB7® SBR LTX** during mixing.

Recommended dosage: 2-8% of the cement weight, to be added to the mixing water.

TECHNICAL PROPERTIES:

Appearance: White liquid

Specific Gravity: 1.03 ± 0.025

pH: 8 ± 1

STORAGE

Store in a dry area away from direct sunlight at temperatures between 5°C and 50°C.

SHELF LIFE

SB7® SBR LTX has a shelf life of 6 months from the date of manufacture, when stored under proper conditions in unopened drums. Contact the **SMARTSTONE®** Technical Department for advice if these conditions are exceeded. Mix or shake well before use.

CAUTIONS: HEALTH AND SAFETY

SB7® SBR LTX is not classified as hazardous. In case of accidental eye contact, rinse with clean water and seek medical advice. Wear suitable protective gloves and goggles. Refer to the Material Safety Data Sheet for further information. **SB7® SBR LTX** is non-flammable.

DISCLAIMER

While the company guarantees its products against defects, the conditions of use are beyond its control. It is advisable to confirm with the company that the product is suitable for the intended use and that this Data Sheet is the most current version. The company reserves the right to modify it without prior notice. Technical characteristics are for guidance only.

FOR TECHNICAL SERVICES

VELOCITY® green energy, LLC.
P.O. Box 16506, Irvine CA 92623, United States
Contact us at: **(949) 468-2742**
(888) 508-6191



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