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ALL PRODUCTS EXAMINED BY GFC LAB-ITALY

SBRL LARGE

Product Description:

Styrene-Butadiene Rubber (SBR) is a synthetic rubber copolymer of styrene and butadiene, commonly used in the paint industry as an additive to enhance various properties of coatings. The SBR emulsion serves as a binder that improves flexibility, durability, and resistance to weathering in paint formulations. When used in paints, SBR emulsion improves the adhesion, water resistance, and abrasion resistance, making it ideal for both interior and exterior coatings.

Uses:

- **Floor Coatings:** Ideal for floor coatings where high abrasion resistance and wear resistance are crucial.
- **Waterproof Coatings:** It is a key ingredient in waterproof coatings and sealants, offering resistance to moisture, rain, and humidity, ideal for basements, bathrooms, and outdoor environments.

Quality & Durability:

- **Quality Assurance:** SBR emulsion is manufactured under strict quality control procedures to ensure consistent performance against rain, UV light, and temperature

APPLICATION INSTRUCTIONS

- **Preparation:** Stir the SBR emulsion thoroughly before use to ensure uniform consistency. This product is typically added to paint formulations during the mixing stage.
- **Mixing:** **for every bag of cement 1 kg of SBRL** SBR emulsion is compatible with most water-based systems and can be mixed with pigments, fillers, and other additives to formulate high-performance paints. For best results, ensure proper dispersion of the SBR in the paint base.
- **Drying Time:** The drying time of the paint will be influenced by the amount of SBR used. It is generally recommended to allow 1-2 hours of drying time for the initial coat and 4-6 hours for the final curing in typical room conditions.
- **Storage:** Store SBR emulsion in a cool, dry place, avoiding prolonged exposure to heat and direct sunlight. Keep containers tightly sealed to prevent contamination.

Technical Details

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Property	Value
Chemical Structure	Copolymer of Styrene and Butadiene
Solvent Type	Water-based (Latex/Emulsion)
Viscosity	100-2000 cP (depending on formulation)
pH Value	8.0 – 10.0
Solid Content	40%-50%
Tensile Strength (after curing)	4-8 MPa
Elongation at Break	200% – 500%
Hardness (Shore A)	40-70
UV Stability	Good
Water Resistance	High
Temperature Range	-20°C to 60°C