

Product Data Sheet

SEA STAR CONCRETE RUBBER –LITE

DESCRIPTION

SEA STAR CONCRETE RUBBER-LITE is a ready for use aqueous dispersion of a Styrene-Butyl Rubber with low solid contents. It contains an anionic/nonionic emulsifier system and is free from film forming aids, solvents, plasticizers and ammonia.

TYPICAL PROPERTIES

Property	Value	Method
Solid content, %	22- 25 %	
pH Value	7.0	ISO 976
Surface Tension, mN/m	30.0	
Viscosity, mPas	20	ISO 3219
Glass Transition Temperature, °C	- 5	
Density, g/cm ³	0.90	
Mean Particle Size, µm	0.15	
Minimum Film-Forming Temperature, °C<3		
Tensile Strength, N/mm ²	2.5	
Elongation at break, %	1000	



GENERAL INFORMATION

SEA STAR CONCRETE RUBBER-LITE is used in combination with cement, lime gypsum, etc. Addition of SEA STAR CONCRETE RUBBER-LITE improves workability, wet adhesion and plasticity of fresh mortars. The dispersion has a strongly liquefying effect and reduces the water requirement at the same mortar consistency.

SEA STAR CONCRETE RUBBER-LITE improves following end properties, flexural strength (up to 30 %), adhesive strength, abrasion / water / chemical / freeze / thaw resistance and shrink /swell behavior.

SEA STAR CONCRETE RUBBER-LITE has extremely good resistance to saponification, by which long term stability in the strongly alkaline region even under moist conditions is secured. The dispersion has no corrosion promoting action on steel reinforcements and is film forming above + 3 °C. Additions of film forming agents or plasticizers are therefore not required. SEA STAR CONCRETE RUBBER-LITE is used in floor, screeds, leveling compounds, adhesive – bonded joints, sealers / primers, repair mortars for concrete restoration, cement – based anti-corrosion paints, gypsum –based stoppers / fillers, and building adhesives. Owing to the limited UV-stability of styrene – butyl copolymers surface chalking can occur. This behavior is identical with unmodified mortars. Addition of 10 – 50 % by weight of SEA STAR CONCRETE RUBBER-LITE related to the cement content is recommended for the improvement of mortars.

GENERAL INFORMATION

Form	Liquid
Color	Milky
Odour	Faint
pH	7.0 (20 C)
Boiling Point	100 C Water
Flash Point	No flash point
Ignition Temperature	Not applicable
Water Solubility	Dilutable
Solid Content	Low 22 – 25%

Product Data Sheet

SEA STAR CONCRETE RUBBER-LITE

APPLICATION ADVICE

SEA STAR CONCRETE RUBBER-LITE is preserved against bacterial and fungal attack. In the manufacture of finished products, the material has to be retreated, as usual, with suitable biocides to give enhanced preservation.

HAZARDS IDENTIFICATION

On available data SEA STAR CONCRETE RUBBER-LITE has no hazard classification according to 88/379 EEC. The surfactants and to a lesser extent the free monomer present in polymer dispersions can cause dermatitis through repeated contact in sensitive individuals. Eye contact may cause irritation.

COMPOSITION AND COMPONENTS

Chemical Nature: Aqueous dispersion of a copolymer of styrene and 1,3 Butyl Isononylphenol ,ethoxylated
>=1%

STABILITY AND REACTIVITY

Stability Stable
Conditions to avoid direct sunlight and freezing

EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Controls:

Local exhaust ventilation may be required in circumstances where the product is sprayed, heated or dried.

Personal Protection:

Respiratory: Masks when spraying
Hand: Gloves if risk of skin contact
Eyes: Goggles if risk of splashing
Skin: Standard industrial overalls if splashing

FIRST AID MEASURES

Skin exposure: Wash with water removed contaminated clothing.
Eye exposure: Wash with large amount of water. Seek medical attention if irritation persists.
Ingestion: Give plenty of water to drink and obtain medical advice.

DISPATCH AND STORAGE

SEA STAR CONCRETE RUBBER-LITE has to be stored protected from frost and, as far as possible, below 40°C. Storage at temperatures between + 5 and + 30 °C is recommendable. SEA STAR CONCRETE RUBBER-LITE contains a preservative to counter microbial attack during transportation. Care must be taken to ensure that storage containers are tightly closed. When stored correctly SEA STAR CONCRETE RUBBER-LITE has a storage life of 12 months from date of delivery.