TAC LATEX SBR-4

TECHNICAL DATA SHEET (TDS)

TAC COATING
Coating Chemistry

Premium Styrene Butadiene Rubber (SBR) Bonding Agent & Repairing Mortar.

DESCRIPTION

Tac Latex SBR-4 is a premium quality Styrene Butadiene Rubber (SBR) polymer emulsion developed for use as a bonding agent and cement modifier. It significantly improves adhesion, flexibility, water resistance, abrasion resistance and durability of cementitious mortars and concrete. The product is suitable for repair works, waterproofing, screeds, tile bedding, renders and protective cement coatings.

FEATURES & BENEFITS

- Excellent bond strength between old and new concrete.
- Improves compressive, tensile and flexural strength.
- Reduces water permeability and chloride ingress.
- Improves resistance to abrasion and mild chemicals.
- Reduces shrinkage and cracking.
- Enhances durability of cementitious systems.
- Suitable for interior and exterior use.
- Compatible with OPC, SRC and White Cement.

RECOMMENDED USES

Concrete repairs, bonding slurry, tile fixing, waterproof plaster, swimming pools, potable water tanks, basements, lift pits, balconies, terraces, roof screeds, industrial floors, precast concrete, bridges, tunnels and polymer modified mortars.

TECHNICAL PROPERTIES

PROPERTY	VALUE
Appearance	Milky White Liquid
Polymer	Styrene Butadiene Rubber (SBR)
Density	1.00 ±0.05 g/cm³
pH	8.5 – 10.0
Solid Content	40 ±3 %
Chloride Content	Nil
Packaging	1KG & 5KG
Shelf Life	12 Months in unopened container

SURFACE PREPARATION

Substrates shall be structurally sound, clean and free from dust, oil, grease, curing compounds, paint, laitance and loose particles. Concrete should be brought to Saturated Surface Dry (SSD) condition before application.

BONDING SLURRY

Mix Ratio:

2 Parts OPC Cement : 1 Part Tac Latex SBR-4 (by volume). Mix to a smooth slurry and apply using a stiff brush. Place repair mortar while the slurry remains tacky.

POLYMER MODIFIED MORTAR

Typical Mix:
1 Part Cement : 3 Parts Clean Sand.
Recommended Dosage: 10 litres Tac Latex SBR-4 per 50 kg cement. Reduce mixing water as required to achieve the desired consistency.

APPLICATION

- Apply bonding slurry before screeds, renders or repair mortars.
- Compact mortar thoroughly.
- Finish with steel trowel or wooden float.
- Protect from rain and direct sunlight during application.

COVERAGE

APPLICATION	APPROXIMATE COVERAGE
Bond Coat	2-3 m^2/kg
Waterproof Coating (2 coats)	5-6 m^2/kg

STORAGE

Store in unopened original containers between 5°C and 35°C. Protect from frost, moisture and direct sunlight.

HEALTH & SAFETY

Wear suitable gloves, eye protection and protective clothing. Avoid contact with eyes and prolonged skin exposure. In case of contact, rinse thoroughly with clean water. Keep out of reach of children.

DISCLAIMER

The information contained herein is based on laboratory testing and field experience. As site conditions and methods of application are beyond the control of Tac Coating (Private) Limited., no warranty is implied other than the quality of the product supplied. Users should determine suitability for the intended application.