

TIGONIS SUPER POWER SBR LATEX

SBR BASED FLEXIBLE POLYMER
FOR WATERPROOFING AND REPAIR



20 Kg Pack

TIGONIS SUPERPOWER SBR (Styrene Butadiene Rubber) Latex provides good adhesion and water resistance when mixed with cement slurry/mortar/concrete/grout. It is a bonding admixture and is used to improve bond strength and chemical resistance.

Reduces cracking | Increases wear resistance | Increases mortar flexural & tensile strength | Increases durability during freeze/thaw cycles | Improves bond strengths to hardened concrete | Greater surface coverage & easy to use.

USES

1. Waterproofing of roof slabs/columns/sunshades/sunken slabs, basements/ water tanks/waterproofing of Bathroom, toilet / terraces etc. in combination with cement.
2. Increased bonding agent for uses in crack repair and plastering.
3. Treatment for leaching and saltpetre action.
4. Excellent coverage, economic – approx 60-80 sq ft per kg/two coats(mix 1:4:7 – TSPLA: Water: Cement) TSPLA can be diluted with water (1 : 4 - 6) depending on the type of application.

SURFACE PREPARATION : If using this product as a cementitious bond coat, the base concrete must be a minimum of 3 days old. The concrete must be clean and all oil, dirt, debris, paint, curing compounds, sealers and unsound concrete must be removed. The surface must be prepared mechanically using a scabblor, bushhammer, shotblaster or scarifier, so that the minimum surface profile is 3 mm and exposes the large aggregate of the concrete.

Technical Data

Appearance	Free flowing milky white liquid
Chemical COMPOSITION	Styrene Butadiene Rubber Emulsion
pH	7-9
Density	~ 1.02 kg/l at 27°C
Solid Content/NVM	~ 42-44 % by weight
Bonding Strength N/sq mm	>5
Chemical resistance:	Resist mild acid and alkali
Freeze thaw resistance:	Very High
Packaging	500g, 1kg, 5kg, 10kg, 20kg
Shelf Life	18 months from date of production





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- Application 1** Waterproof Slurry Coating/Bond Coat
Mixing Ratio-TSPLA*:WATER:CEMENT = 1:4:7-9 (By Weight)
- Application 2** Polymer Repair Mortar (1Cement:4 Sand)
Liquid Mixing Ratio-TSPLA*:WATER = 1:6 | Liquid : Powder ratio = 1:2
- Application 3** Crack filling Putty (1 Liquid : 2 Marble Dust)
Liquid Mixing Ratio-TSPLA*:WATER = 1:2
- Application 4** Polymer Concrete (Repair Concrete & Screed)(1Cement:2 sand:4 Aggregates)
Liquid Mixing Ratio: TSPLA*: WATER = 1: 4 | Liquid: Powder ratio = 1:2
- Application 5** Additive to cement for injection grouting
Liquid Mixing Ratio: TSPLA*: WATER= 1:5 ; Liquid : Cement = 1:2

Waterproof Coating Prepare the base as per direction. Spread cement primer by using TSPLA* : Water = 1: 4 by volume in order to obtain a thin layer. When the primer coat is still fresh and sticky, apply mortar made out of TSPLA* : Water = 1: 4 by volume and finish with a trowel / brush. During application continue stirring the mixture of TSPLA* and cement. Prepared material must be used within 20- 30 minutes depending upon temperature humidity etc. When used as waterproofing slurry coating minimum two coats is recommended.

Masonry Jointing Prepare the base as directed. Make a firm mortar with fine sand using TSPLA* : Water = 1: 6-8. Apply primer coat as above. While the primer is still wet, apply the mortar and immediately finish.

Polymer Mortar Dilute TSPLA* with water in the proportion of 1: 6 by volume. Prepare the mortar with this mixed water. This type of polymer mortar should be used for all repair jobs for optimum performance.

Successive Concrete Casts Bonding Wash the surface with water thoroughly. Prepare a pasty mortar with TSPLA* : Water = 1: 6-8 by volume. Apply this mortar onto the surface in a layer of 20-30 mm thickness. Pour fresh concrete after about an hour. When used as a bonding agent between subsequent layers of plaster the same procedure is to be used.

Waiting Time As waterproof coating 2-6 hours depending on temperature and humidity

Points to be noted / Limitations For waterproofing or damp proofing application, always use at least 2 coats. In areas of severe water penetration, three coats might be required.

Curing Treatment 3-5 days with wet burlap/ gunny bag/ hessian cloth. Not to be ponded with water.

Health and Safety Information Clean tools and equipment with water before the material hardens. Use rubber hand gloves and safety goggles while using TSPLA* In case of skin contact, wash with plenty of water. Keep out of reach of children.

*TSPLA Tigonis Super Power Latex



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