



INNOVATION | SUSTAINABILITY | EXCELLENCE

NIRMAAHAN

NGPL ShieldEx SBR LATEX





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NGPL ShieldEx SBR LATEX is SBR based multipurpose polymer for waterproofing & repair.

Water dispersion of a synthetic elastomer (SBR based) for improving workability and water impermeability when mixed with cementitious mortars like renders, screeds, repair mortars, adhesives slurries.

FIELD OF APPLICATION

As an admixture to improve flexibility, adhesion, water impermeability characteristics of cementitious mixes of renders, screeds, repair mortars, adhesives slurries.

FOR APPLICATION

Substrates must be sound, free from oil, grease and sufficiently dry.

Cementitious substrates must be cured.

NGPL ShieldEx SBR LATEX should not be shaken much to prevent air entering.

Dilute **NGPL ShieldEx SBR LATEX** with water in suitable container in the ratio recommended in TDS for specific application.

Pour the solution in to the concrete mixture and add cement and the aggregates preferably mixed before so as to avoid lumps.

Mix thoroughly till obtain a homogeneous mixture.



ADVANTAGES

- Improves adhesion to all surfaces
- Improves resistance to abrasion
- Improves water impermeability
- Improves flexibility
- Improves resistance to freeze-thaw cycles
- Improves chemical resistance to diluted acids and alkalis, salt solutions and oil

USAGES

Usage in Renders

Mix cement and sand at appropriate size in 1/4-1/5 ratio with **NGPL ShieldEx SBR LATEX** diluted in water with ratio of 1/4.

Usage in Repair Mortar

Mix cement and sand at appropriate size in 1/3-1/4 ratio with **NGPL ShieldEx SBR LATEX** diluted in water with ratio of 1/3.

Usage in Adhesive Slurries

To obtain a bonding slurry to be applied before screeds and plasters on existing cement surfaces add **NGPL ShieldEx SBR LATEX** diluted in water with ratio of 1/2 in to 1/3 cement: sand mixture until it gets creamy structure.

Usage in Screeds

Mix cement and sand at appropriate size in 1/3-1/4 ratio with **NGPL ShieldEx SBR LATEX** diluted in water with ratio of 1/4. Apply the mixture with brush till it gains 2mm thickness while the adhesive slurry applied before it is still fresh. Mix for 2-3 minutes until the mix gets smooth. Dispose mortars of which pot life is expired. Clean tools and hands with water, surface with a damp cloth before setting begins. After application, in Warm or windy weather conditions, the mortars made with SBR LATEX as an admix must be cured carefully to avoid fast water evaporation, which could cause surface cracks due to plastic shrinkage.



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TECHNICAL PROPERTIES

@ 28 C

Appearance	–	White Liquid
Shelf Life	–	12 months
pH	–	8-10
Density	–	1.03 + or – 0.03 g/cm ³
Application Temp.	–	5 C to 35 C

Mixing Ratio (LATEX to WATER) – 1/1 to 1/4 depending on application.

Consumption – Varies with application

ESTIMATING

Available in 1, 5, 20 & 200 ltrs. Packing

STORAGE

Store in original sealed packing. Protect from frost and direct sin light.



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