



WPS SBR LATEX

PRODUCT DESCRIPTION:

WPS SBR LATEX is a synthetic rubber based emulsion for modifying cement mortars where good adhesion and water resistance are required. The product is suitable for use in tropical and hot climatic conditions.

PURPOSE:

For Waterproofing of concrete surface using polymer compounds, also used as a bonding coat for bonding between old to new concrete

USAGE:

WPS SBR LATEX is used as a polymer along with cement to form a tough Waterproof barrier; it can be applied by either a Brush or a Roller

ADVANTAGES:

- *Designed to be used as a waterproof Cementitious coating with flexibility, waterproofing & adhesion to the base concrete, plaster & IPS.
- *It can be easily mixed with cement and forms an impermeable co-matrix of cement & polymer
On direct brush application, it penetrates in micro-pores and fine hair-cracks to make the surface impermeable.
- *As an additive to Cementitious mortar, it provides a tough wear resistant coating by improving the adhesive, chemical & mechanical properties of mortar.
- *Being water-based it is eco-friendly in nature & is easy to handle
- *It can be coated with any regular painting brush and by any good painter, no special skill required to apply the coating
- * Extremely good adhesion, excellent water Resistance
- * Reduced Shrinkage, Greater Flexibility, Non Corossive

Uses:

- *Waterproofing of building, terrace, water tank, basements, toilets etc
- *Waterproofing of precast slab, AC Sheet roofs, etc.
- *Exteriors, terraces and Chajjas in wet spells of monsoon
- *Roof slabs - flat or sloping, Chajjas, folded plate roofs, vaulted roofs, domes etc.
- *Sunk portion of bathrooms, toilets, balconies, etc.
- *Overhead or underground water tanks and other large reservoirs.
- *Mortars for filling joints of C.I. or any other drainage pipes
- * Cementitious screeds, As bonding agent between Old & new concrete

Application Guidelines:

Preparation of the surface to be waterproofed is always of utmost importance. Any significant deficiency in the civil work such as loose or hollow concrete / plaster, exposed reinforcement steel etc. should be attended to first and required curing should be done as per the usual norms.

*Cracks other than hairline ones should be suitably widened, freed from loose particles and then filled with a mortar consisting of FLEX PMM (Refer relevant product data sheet)

*Scrub and clean the surface to free it from any bitumen, oil, grease, loose flakes or particles.

*Moisten the surface with water jet one day before.

As Bonding Coat :

- * Clean the surface thoroughly of its loose concrete, dust, etc., and pre wet with water adequately.
- * Mix **WPS** and cement in 1:1 proportion by volume and brush apply a single coat over the clean surface. Allow this coat to become tacky (15 to 20 minutes) then apply fresh concrete or mortar. If the bond coat is dried, apply 2nd coat.

For Repairs & Restoration

- * Remove all loose or cracked & spalling concrete till proper surface is visible.
Clean reinforcement steel if exposed by means of a wire brush mechanically
Moisten the surface with clean water and allow excess surface moisture to evaporate
- * Mix **WPS** with neat cement in 1:1. Proportion by volume. Brushes apply a single coat immediately over the cleaned & prepared cementitious surface.
- * Prepare repair mortar by adding about 20 to 25% **WPS** in ratio of 1:3 cement mortar or as specified proportions of the mortar. Use mechanical mixer for better consistency. Apply this mortar when the bond coat is tacky at a thickness up to 10 mm. Built up the required thickness in subsequent layers of 10 mm each over the bond coat. Final layer can be finished with trowel to get smooth finish

For Waterproofing

- * After a proper surface [preparation as described above, Mix **WPS** : cement in the ratio of 1:1 By volume Apply 1st coat when the surface is in touch to dry condition and allow it to dry for 4 to 5 hours. Apply 2nd coat and allow it to air dry for at least 72 hours.
An application of 10 to 15mm mortar mix is necessary to protect the coating from getting damaged. Plaster over vertical surfaces shall be done when the second coat is tacky to have better bonding with the surface.
- * Prior to the waterproofing coat all surfaces cracks up to 5mm should be filled using Flex PMM Grade.

AS GRC PRE MIX Modifier :

- Improves the waterproofing, mechanical properties of the GRC Concrete
- Reduces the water permeability & improves the durability of the GRC concrete
- Recommended Dosage is 0.25 to 1 % on Cement

Product Properties

Pot life of mixed material @ 30Deg cent	30Minutes
Application temperature	Minimum 10 to 15 Deg Cent
Coverage (Mixed material)	50 to 60Sft/kg/coat **

Shelf Life: 1 Year if stored in a sealed container

Packing: 35Kg & 220Kg Barrel pack

** Depending upon the type of surface & surface porosity

Disclaimer

The information contained herein is believed to be accurate and is offered in good faith for the guidance of the consumer. We cannot accept any responsibility for errors in, or misinterpretation of the information contained in this brochure. In view of our constant endeavor to improve the quality of our products, we reserve the right to alter or change The specifications without prior notice

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