

DESCRIPTION

BILATEX SBR is a water dispersion of Styrene Butadiene Copolymer. It is characterized with high bonding force and water resistance. It is stable when mixed with wet alkaline conditions. When mixed with concrete, it creates a reinforcing bonding matrix with the cement.

BILATEX SBR when added to cementitious mix it enhance the mix with higher bonding adhesion power to the substrate, with superior elasticity, impermeability and flexure resistance. The product also, improves the abrasion and acid characteristics of cured mix.

BILATEX SBR is suitable for application in concrete, sand/cement mix, flooring screeds and repair compounds. It can be used externally and internally in areas of intermittent or continuous water content. It is especially suitable for renders and as primer to concrete flooring to provide high bonding onto the substrate of low permeability.



APPLICATIONS

- To prepare bonding slurry between old and new concrete.
- Can be added to cement floor screed mixes.
- Additive to enhance water proofing and flexibility for mortars.
- Additive to cementitious tile adhesives to improves flexibility.
- As a primer for cementitious concrete repair products.
- Can be coat on top of repair products to acts as a curing compound.
- To increase the adhesion power of cementitious products.
- To prepare repairing mortar, cementitious rendering, cement slurry, floor screed, high flexible plastic etc. Please refer to the below dosage table. For more details about application, please contact BITUGULF Technical Department.

STANDARDS

BILATEX SBR conforms to:

- BS 1199,
- ASTM C109, ASTM C 190, ASTM C932-12

TECHNICAL DATA

PROPERTIES	RESULTS
Appearance	Fluid liquid
Density	1.05 kg/Lt.
Solid Contents	40%

As Bonding Agent Slurry:

Tensile Bond Strength: 2.5 N/mm²

As Screed mixed with BILATEX SBR

PROPERTIES	RESULTS
Tensile Strength (50mm ²)	4.0Mpa.S
Flexural strength	10 Mpa.S
Flammability	Non Flammable
Temp. Resistance	-25°C to +90°C
Temp. of Application (Substrate)	+5°C to +40°C

DOSAGE TABLE

USE	MIXTURE RATIO		WEIGHT RATIO	
	BILATEX SBR	Water	Cement	Inert
Primer in casting resumption	1	1	3	-
Anchorage mortar	1	1	2	-
Plastering up to 10 mm	1	1	1	3
Screeds from 10 to 50 mm	1	2	1	3
Tiles fixing	1	1	1	2
Patching and repair mortars	1	1	1	3

ADVANTAGES

- Improves adhesion and bonding.
- Suitable for use in damp conditions.
- Improves workability, strength and abrasion resistance.
- Reduces shrinkage and cracking and improves flexibility.
- Improves chemical and water resistance.
- Allows reduction in water content.
- Can be used with concrete in portable water tanks.

INSTRUCTIONS FOR USE

SURFACE PREPARATION

All surfaces should be sound free from laitance, oil and grease. In case of hard or deep contamination, surface should be cleaned by the use of mechanical scrubbing or grit blushing to reach a fresh clean exposed concrete surface.

BILATEX SBR as bonding slurry

Mix BILATEX SBR with water and cement 1:1:3 and apply as a bonding slurry between fresh concrete and old concrete, the SBR Bonding Slurry ensures adhesion between new and old concrete additives.

ADDITIVE FOR SCREED FLOORING APPLICATION

Substrate should be saturated with water to avoid possible absorption of water of the mix. Always apply bonding slurry to the substrate before pouring the screed. This act as anchorage bonding between the floor screed and the substrate. Ensure that the screed is poured while the bonding slurry is still fresh.

ADDITIVE FOR CONCRETE REPAIR

Be sure to remove all the damaged parts to ensure a sound substrate. Steel reinforcement should be protected against rust.

APPLICATION

The diluted bonding agent should be added to the cement mixer and then the cement and aggregate contents can be added. Mix for few minutes till a homogenous, lump free mix is achieved.

MIXING

BILATEX SBR is ready for direct use. The product must be diluted with water depending to application requirements. Refer to the dosage table below. For further information contact BITUGULF Technical Department.



SHELF LIFE

BILATEX SBR can be utilized within 12 months of production date if stored in proper conditions in unopened original packing.

PACKAGING

BILATEX SBR is supplied in 5 liter, 20 liter jerrycans and 200 liter drums.

STORAGE

- Keep the products packed in a dry place.
- Store in original packing in dry conditions away from direct sunlight.

HEALTH, SAFETY AND ENVIRONMENT

All safety measures should be observed during application. Fire extinguishers should be available at site. Care should be taken with gas, and torch should not be rested on finished surface or on any materials that can be scratched by flame or hot torch. Gloves and goggles should be worn by all workers during application.

Read, understand and follow all Material Safety Data Sheets and product label information for this product prior to use.

TECHNICAL SUPPORT

International Insulation Company (IIC) - Bitugulf technical support team consist of expert engineers offers a comprehensive service support to specifiers, end users and contractors, and on-site technical assistance.

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