

Modified Styrene Butadiene Rubber (SBR Latex) Bonding Agent

DESCRIPTION

Du-Bond SBR Latex is a modified styrene-butadiene rubber (SBR) latex admixture designed to improve the bonding, waterproofing, durability, and performance of cementitious mortars and concrete. It provides excellent adhesion, reduces shrinkage, enhances flexibility, and improves resistance to water penetration and abrasion. It is suitable for concrete repairs, waterproofing, bonding slurries, protective renders, and cement-based repair applications.

RECOMMENDED USE

- Concrete, plaster & masonry bonding
- Waterproofing of wet areas & terraces
- Cementitious mortar modification
- Concrete repair & crack filling
- Bonding slurry for overlays
- Rebar protective coating
- Cement-based rendering & screeds
- Tile, stone & brick fixing

FEATURES AND BENIFITS

- Excellent bond strength
- Enhanced waterproofing
- Reduced shrinkage and cracking
- Improved durability
- Increased flexural strength
- Corrosion protection
- Multipurpose application

PRODUCT INFORMATION

Product Type	SBR Latex Bonding Agent
Colour	Milky White
pH	7–9
Non-Volatile Solids	~45%
Bond Strength	5 N/mm ²
Chemical Resistance	Mild acids & alkalis
Impact Resistance	Excellent
Coverage	70–80 ft ² /kg (2 coats)
Packaging	1, 5, 20 kg
Shelf Life	12 months

Statement of Responsibility (Disclaimer)

The technical information and application advise are based on present state of our best scientific and practical knowledge. As the information herein of a general nature, no assumption can be made as to a products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

APPLICATION PROCEDURE

General

Ensure all application conditions are suitable and the substrate is properly prepared before commencing work. The material should be applied by trained personnel using appropriate tools and methods to achieve optimum performance.

Surface Preparation

Ensure the substrate is structurally sound, clean and free from dust, oil, grease, laitance, curing compounds and other contaminants. Remove all loose or deteriorated material and repair defective areas before application. Pre-wet the substrate to a saturated surface-dry (SSD) condition.

Mixing

Prepare the bonding slurry or polymer-modified mortar using the recommended mixing ratio. Add Du-Bond SBR Latex to clean water before gradually incorporating cement and mix until a smooth, homogeneous consistency is achieved.

Application

Apply the prepared bonding slurry, waterproof coating or polymer-modified mortar using a suitable brush, trowel or roller depending on the application. Apply subsequent cementitious materials while the bonding coat remains tacky. For waterproofing applications, apply multiple coats as specified.

Curing

Protect the applied material from rapid drying, direct sunlight and rain. Cure all cementitious applications in accordance with good concrete curing practices to achieve optimum performance.

**** The mixing ratio and procedure are given below**

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Application Mixing

Application	Mixing Ratio
Bonding Slurry	1 : 4 : 7 (Du-Bond SBR Latex : Water : Cement)
Waterproofing Coating	1 : 4 : 7 (Du-Bond SBR Latex : Water : Cement)
Rebar Protective Coating	1 : 4 : 7 (Du-Bond SBR Latex : Water : Cement)
Polymer-Modified Repair Mortar	5 kg Du-Bond SBR Latex + 50 kg Cement + Sand + Water (Maintain water-cement ratio ≤ 0.45)
Waterproofing / Repair Plaster	1 kg Du-Bond SBR Latex + 50 kg Cement + 150 kg Sand + 20 L Wa

Mixing Method

- Dilute Du-Bond SBR Latex with the required quantity of clean water as per the recommended ratio.
- Add cement and sand gradually while mixing continuously to achieve a uniform, lump-free consistency.
- Adjust consistency with water as required while maintaining the recommended water-cement ratio.
- Mix only the quantity that can be used within the workable time.

N.B.

- For waterproofing applications, apply two coats, allowing approximately 4–6 hours between coats.
- Where required, protect the waterproofing layer with a cementitious screed or plaster finish.

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Ducon Polymer Flooring (DPF)

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