



DURA SBR LATEX

STYRENE-BUTADIENE RUBBER LATEX

PRODUCT DATA SHEET

Dura SBR is a high-performance styrene-butadiene polymer latex designed to improve the bonding properties of cementitious mixes. It forms a durable polymer matrix within concrete, ensuring stability in wet and alkaline conditions. Ideal for a wide range of construction applications, Dura SBR enhances adhesion, workability, and durability.

USES

- **Bonding New to Old Concrete:** Perfect for creating strong bonds between existing and new concrete surfaces.
- **Mortar Additive:** Used in cement and sand mortars for rendering, screeding, and thick-bed applications.
- **Tile Adhesive:** Suitable for thin-bed tile bedding and grout filling.
- **Concrete Repair:** Effective for floor patching, reinstatement, and general concrete repairs.
- **Waterproofing:** Ideal for sealing and waterproofing concrete structures such as water tanks, basements, and foundations.

KEY BENEFITS

- **Superior Adhesion:** Enhances the bonding strength of cementitious mixes, ensuring long-lasting adhesion.
- **Improved Workability:** Acts as an effective plasticizer, increasing cohesion and allowing for reduced water content without compromising workability.
- **Waterproofing Properties:** Provides excellent waterproofing capabilities, remaining stable in alkaline environments.
- **Reduced Shrinkage and Cracking:** Minimizes shrinkage and cracking in repair and screed mixes, offering excellent freeze-thaw resistance.

TECHNICAL DATA:

- **Appearance:** Milky white liquid
- **Specific Gravity:** 1.03 ± 0.01 at 25°C
- **pH Value:** 8.0 - 9.0
- **Particle Size:** 10 - 20 microns
- **Bond Strength:** 1.2 N/mm² (ASTM C190)
- **Shelf Life:** 12 months in original, unopened packaging

➤ ADMIXTURES

➤ ADHESIVES

➤ WATERPROOFING

➤ SURFACE TREATMENTS

➤ CONCRETE REPAIRS

➤ INDUSTRIAL FLOORINGS

➤ SEALANTS

➤ FUMIGATION

➤ GROUTS & ANCHORS



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www.duratechcc.online



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APPLICATION INSTRUCTIONS:

SURFACE PREPARATION

Ensure the surface is clean, free from dust, oil, grease, and other contaminants. For large areas, mechanical scrubbing is recommended to achieve optimal adhesion.

1) BONDING COAT

- Apply Dura SBR as a bonding coat to concrete, masonry, or brick surfaces to prepare them for cementitious renders, screeds, or repair mixes.

- Use a stiff brush to apply a thick coat to a wetted surface. Ensure the bond coat remains tacky (approximately 20 minutes) before applying concrete renders or mortars.

• MIXING RATIO:

- Cement: 2 parts by weight
- Duratech SBR: 1 part by weight
- Water (optional): 1 part by weight

2) ADHESIVE MORTARS

- Apply Duratech SBR to the substrate before using conventional or prepacked tile adhesives.

- Mix Duratech SBR with water, followed by sand and cement, to create a cohesive adhesive mortar.

MIXING RATIO:

- Cement: 50 kg
- Medium Sand: 75 kg
- Duratech SBR: 8 litres
- Water: 3 - 4 litres

3) FLOOR PATCHING AND CONCRETE REPAIR

- Dampen the substrate and apply a bond coat while the surface is still wet.

- Apply the repair mix at a semi-dry consistency using a wooden float, then finish with a steel float.

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MIXING RATIO:

- Cement: 50 kg
- Coarse Sand: 125 kg
- Granite (3 mm): 0 - 100 kg
- Duratech SBR: 6 litres
- Water: 5 - 10 litres

4) WATERPROOF RENDERS

- Apply a horizontal brush coat of Duratech SBR bonding mix. Once nearly dry, apply a second coat vertically.
- After 24 hours, apply a render coat up to 10 mm thick using a steel float.

MIXING RATIO:

- Cement: 50 kg
- Coarse Sand: 125 kg
- Duratech SBR: 10 litres
- Water: 5 - 10 litres

5) FLOOR SCREEDS

- Use Duratech SBR for leveling uneven floors, large-area patching, and abrasion-resistant screeds.
- Spread the modified screed mortar using a rake or screeding bar, then compact with a wooden float.

MIXING RATIO:

- Cement: 50 kg
- Coarse Sand: 100 kg
- Granite (3 mm): 100 kg
- Duratech SBR: 7 - 8 litres
- Water: 5 - 10 litres





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PRECAUTIONS

- Duratech SBR is non-toxic but should be handled with care.
- Avoid skin and eye contact. Wear gloves and eye protection during use.
- In case of eye contact, rinse thoroughly with clean water and seek medical attention.

WARRANTY:

DURATECH Construction Chemicals ("DURATECH") affirms and warrants exclusively that its products shall be devoid of any defects in materials and workmanship for a duration of six (6) months from the date of purchase. Without written authorization from a designated DURATECH officer, no other statements or representations made by DURATECH or its representatives, whether conveyed in written or oral form, shall have the authority to modify this warranty. DURATECH explicitly DISCLAIMS ALL WARRANTIES, IMPLIED OR OTHERWISE, pertaining to the merchantability or fitness for ordinary or specific purposes of its products. In the event of any DURATECH product failing to meet this warranty, DURATECH commits to replacing the product at no expense to the Buyer.

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