

D+SBR 111 PREMIUM LATEX

SBR Latex For Repairs & Waterproofing



DESCRIPTION

- D+PREMIUM SBR 111 is a highly potent & versatile modified styrene butadiene latex based liquid for high-performance applications in waterproofing & repairs & as a special adhesive and bonding chemical.
- It gives a versatile performance in many construction engineering applications.

Advantages

- Material saving, material does not fall back/rebound
- Multipurpose & Economical
- It prevents cracking by improving flexural strength
- Improves the hardness & prevents dust generation
- Reduces drying & aging shrinkage cracks
- Bond strongly to concrete, masonry, stonework, plasters, cementitious surfaces

Application

- For concrete repairs: Spelled concrete of floors, columns, beams, chajja, slabs, parapets, etc.
- For waterproofing: roof terraces, sunken portions of toilets, bathrooms, chajja, lift pits & balconies.
- As a bond coat: For bonding of new concrete to old concrete, masonry stone work, plastering.
- As bonding slurry coat for pinhole treatment on concrete surface.
- The emulsion adheres very well to all kind of substrates such as concrete, brickwork & tiles.

TECHNICAL SPECIFICATION

TECHNICAL PROPERTIES: (Typical Values)			
Appearance / colour	Milky White Liquid	PH	8 – 9
Specific Gravity	1.01 ± 0.02	Brookfield viscosity (RVT1/10)	<500 cps
Solid Content	40.0 ± 1 %	Shelf Life	18 months from the date of manufacturing in company pack

Packing Size

D+ SBR 111 Premium latex is available in 200 kg, 25 kg, 20 kg, 5 kg, 1 kg & 500gm pack size.

Application Instruction

PRE-TREATMENT Remove dust, loose particles etc. and contaminants like oil/grease using wire brush and water jet. Vacuum clean the surface and dampen it. Break the weak portion of concrete surface at and near the area of repair. Roughen the surface mechanically and dampen the surface with clean water. Remove corrosion deposit, clean the surface of exposed rebars. Before application ensure that the surface is damp but in a touch dry condition.

HEAD OFFICE:

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**MIXING TABLE**

SR NO.	APPLICATION	RATIO (SBR 111 : Water : Cement)	THICKNESS
1	Waterproofing coats	1 : 4 : 7 - For general application 1.5 : 2 - For water retaining structures	2 coats
2	Floor Repairs	1 : 1 : 2 (SBR 111: Water : Cement)	-
3	Crack Filling	1 : 4 : 1 : 3 (SBR 111: Water : Cement : Sand)	8-10 mm
4	Concrete surface priming coat	1 : 3 : 6 (SBR 111: Water : Cement)	1 coats
5	Waterproof plaster/Repair plaster	D+ SBR 111 (1 KG) : Water (4 Ltr.) : Cement (10 kg) : Clean sand (40 KG)	6-40 mm
6	Masonry Joiniting	1 : 4 : 10 : 60 (SBR : Water : Cement : Sand)	10 mm
7	Rebar coating	1 : 1 (D+SBR 111 : Cement)	1 coat
8	Bond Coat	1 : 1.5 (D+SBR 111 : Cement)	1 coat
9	Polymer Concrete & screed	D+ SBR 111 (1 kg) : Water (4 Ltr.) : Cement (1 kg) : sand (1.5 kg) : Aggregate (3 kg)	-

WATERPROOF COATING Prepare the slurry coat as indicated in the Mixing table. While making slurry, always add cement to D+ SBR 111, slowly with constant stirring. Mix in suitable size container using a high speed electric drill machine with spiral paddle at 400 to 500 rpm speed. Apply 2 coats of this homogeneous slurry in parallel and perpendicular direction by Brush. 2nd coat is to be applied at least 4-6 hours after the 1st coat dry. The mixture needs to be continuously stirred to prevent the cement particles from settling. Prepared material must be used within 20 - 30 minutes depending upon temperature humidity etc. Overlay screed/plaster of desired thickness for protection.

BONDING COAT Prepare the bonding coat as indicated in the Mixing table. Apply the single coat of bonding agent to obtain a thin layer. When the bond coat is still fresh and sticky, apply the mortar or concrete, approximately after an hour. Vibrate carefully to achieve satisfactory interpenetration of mortar and concrete. During application the mixture of SBR and cement needs to be continuously stirred to prevent the cement particles from settling. Prepared material must be used within 20–30 minutes depending upon temperature, humidity... etc

POLYMER MORTAR OR WATERPROOF PLASTER Prepare the polymer mortar as indicated in the Mixing table. Apply a thin layer of bonding coat as given above. Apply the mortar onto the surface in a layer of 20–30 mm thickness. This type of polymer mortar should be used for all repair jobs for optimum performance. Cured plaster with D+ SBR 111 would harden faster and would be water tight. For higher thickness, apply in multiple layers at intervals of 12 hours.

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CRACK FILLING Open the crack lines to form a “V” groove of 8–10 mm. Prepare the crack filler as mentioned in the Mixing table to make a putty by using marble dust or pasty mortar with fine sand. Apply a thin layer of bonding coat as given above and seal the cracks with prepared putty.

MASONRY JOINTING Prepare the jointing mortar as indicated in the consumption table. Apply a thin layer of bonding coat as given above. Apply the mortar onto the surface in a layer of 20–25 mm thickness and shape the adhesive soon after the placement of next level masonry.

POLYMER CONCRETE & SCREED D+ SBR 111 can be mixed in proportion as mentioned in the Mixing table. Make a polymer concrete or screed as per desired consistency required. Apply a thin layer of bonding coat as given above. Place the concrete or screed using suitable tools using standard industry practice.

CURING TREATMENT It is important to avoid rapid evaporation of the D+ SBR 111 for Mortars. It is recommended to cover the surface with a polyethylene film, use wet burlap/ gunny bag/ hessian cloth or water misting. Not to be ponded with water. During adverse weather conditions (high temperatures, low relative humidity, wind, sun etc.) take particular care with curing treatment.

CLEANING OF TOOLS Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be removed mechanically.

LIMITATIONS Avoid application in direct sun and strong wind. Apply only to sound, prepared substrates. Do not exceed maximum layer of thickness. For waterproofing or damp proofing application, always use at least 2 coats. In areas of severe water penetration, 3 coats might be required. Protect freshly applied material from rain etc.

Health and Safety Precautions:

- Protective clothing such as gloves, dust mask and goggles should be worn.
- Treat any contact to the skin or eyes with fresh water immediately.
- Should any of the products be accidentally swallowed, do not induce vomiting but call for medical assistance immediately.

CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

NOTE The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

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