



DESCRIPTION

RI –SBR latex is a high-quality emulsion which acts as a water proofing material and hence enhances the performance of cement mortar & concrete. It is to be mixed with cement in the ratio 1:1 and to be applied in 2 coats where water proofing is required. RI-SBR LATEX is based on modified styrene butadiene latex supplied as a bonding agent and cement modifier. It reduces shrinkage, prevents cracking, dust pick up & improves abrasion resistance. It is multipurpose & economical product which is easy to use for all your waterproofing and repairs.

USAGE

- Bond coat slurry
- Mortar Modifier
- Concrete Repairs
- Repair Mortar
- Screed / Plaster Enhancer
- For Waterproofing and Repairing

FEATURES

- It is multipurpose & economical product, easy to use.
- It prevents cracking by improving flexural strength.
- It improves the hardness & prevents dust generation.
- Reduces drying & aging shrinkage cracks.
- Bond strongly to concrete, masonry, stonework, plasters, cementitious surfaces.
- Improves erosion resistance & prevents corrosion
- Improves abrasion resistance of the cement mix

RECOMMENDED MIXING CHART

Application Area	RI-SBR Latex	Water	Cement	Sand
Bonding Coat Slurry	1	-	1	-
Mortar Modifier	1	-	2	6
Screed / Plaster Enhancer	1	-	5	15

APPLICATION METHOD

- **SURFACE PREPARATION**
 - All surfaces should be clean from dust, free from contamination, efflorescence and curing compounds. Application should be made on dampened surface.
 - Before application surface should be in good condition.
 - Always add powder to latex.
- **APPLICATIONS SLURRY BOND COAT**
 - For a slurry bond coat of RI-SBR LATEX mix with Cement in the ratio 1:1
 - Brush apply 1 continuous coat of the mix on the prepared concrete substrate
 - Ensure to overlay the repair mortar when the bond coat is still tacky
- **MORTAR & RENDER MODIFIER**

A suitable mix ratio for patching repair mortar or render is as follows:
For a Repair Mortar of RI-SBR LATEX, mix with Cement and Sand in the ratio 1:2:6
- **FLOOR SCREED & PLASTER ENHANCER**

A suitable mix ratio for Floor Screed and Plaster Enhancer is as follows:
For Floor screed and plaster enhancer of RI-SBR LATEX mix with Water, Cement and Sand in the ratio 1:1:5:15

MIXING & APPLICATION

- A forced action mixer is essential & recommended to ensure RI-SBR LATEX mortar is thoroughly mixed. Use a suitable sized drum with heavy-duty electrical drill machine fitted with spiral paddle mixer at slow speed of 400-500 rpm.
- Hand mixing is permissible only for 25 kg or less quantity
- Charge the mixer with required quantity of clean & dry sand (or coarse aggregates as needed), cement & mix for 1-2 minutes, then add the recommended dosage of RI-SBR dispensed in water which is pre-batched. Mix for 2-3 minutes to avoid air entrapment. Keep on slowly adding water until the required consistency is achieved

CURING

Curing of modified mortar is essential to prevent from premature drying out. After 24 hrs of application of the mortar, start curing or by very light spray for 2-3 days and then allow it to dry.

PRECAUTIONS AND LIMITATIONS

Recommended dosage to be followed to achieve desired results When working in hot temperature conditions, extra water may be added to the repair mortar to compensate for the evaporation loss & make the mortar workable.

TECHNICAL DATA @ 23 -25 C and R.H. 50%

PARAMETERS	RESULTS
Appearance	Milky White Liquid
Density	1.01 ± 1
Solid content (%)	20 ± 2
pH value	> 7
Bond Coat Adhesion Strength	> 1.5
Chemical Resistance	Resistance to mild acids & alkalis chemicals

COVERAGE

- As a bonding agent, As a guide: 25 - 30 sq.ft./kg per coat
- Coverage depends on the type of use / application skills, mixing ratio and nature of substrate.

PACKAGING

1, 5, 10, 20 & 200 litres

SHELF LIFE

12 months from the date of manufacturing. Stored in undamaged, unopened, original sealed packaging, in dry conditions and protected from direct sunlight. Protect from frost.

HEALTH AND SAFETY

- Cementitious mortars & slurries modified with RI-SBR when mixed or when become damp, may release alkali which can be harmful to skin & eye
- Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment during application - In case of contact with skin, rinse with plenty of clean water and then cleanse with soap water
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice

OTHER INFORMATION

For more information or support or guidance, please consult our technical expert at:

RI-Bond Chem LLP

D-508, Ganesh Meridian, SG Highway, Opp. Kargil Petrol Pump, Ahmedabad (Gujarat)-380060

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Apart from the information given here it is also important to observe the relevant guidelines, regulations and common standards of various organizations and trade associations. The afore mentioned characteristics are based on practical experience and applied testing. Confirmed properties and possible uses which go beyond those listed in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of at 23 -25 and 50 % relative air humidity unless specified otherwise. Please note that under other climatic conditions, hardening can be accelerated or delayed and that the product itself is subject to local conditions. The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of willful misconduct or gross negligence on our part or unless there is a case of personal injury or death or a case of liability under the Product Liability Act. This technical data sheet supersedes all previous editions relevant to this product. Please be aware that this Technical Data Sheet only relates to a product manufactured in the specific relevant production site.

