



INDIAN SBR

The ART of construction chemicals!



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PRODUCT SPECIFICATIONS:-

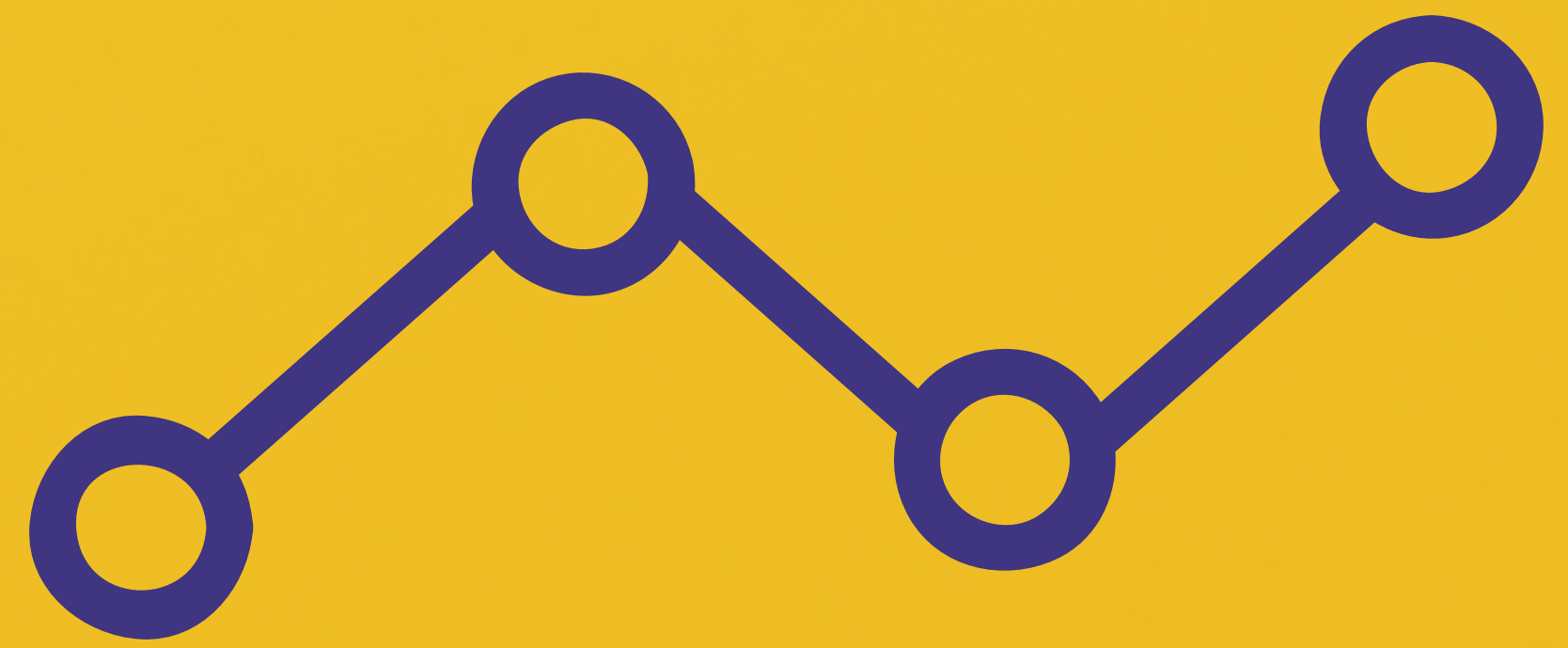
We are a well acknowledged firm, engaged in meeting the growing needs of the market by offering quality assured range of INDIAN SBR. This range of coating provides superior bonding to concrete, stonework, plaster, block board, slip bricks and ceramic tiles. We source this coating from certified vendors after conducting several market surveys. To ensure safe packaging, we use quality approved drums to pack this coating.

FEATURES:-

- Hydrolysis resistant
- Fast drying
- Longer shelf life



BENEFITS:-



A user-friendly simple application is familiar to sit operation.

The single-component liquid improves cohesion and workability and is easily gauged as required.

Provides waterproof of repairs, renders and toppings which are resistant to freeze/thaw cycling.

Good tensile and flexural properties facilitate even thin applications.

Superior bonding to concrete, masonry, stonework, plaster, block board, slip bricks, ceramic tiles etc.

Free from chloride admixtures. Improves the quality of site-batched cementitious mortars and slurries.

Hydrolysis is resistant and is ideal for internal and external applications with cement.

PROPERTIES:-

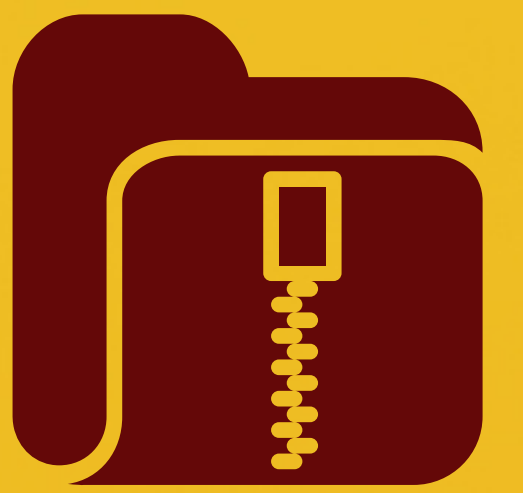
Lab test results observed by assessing the mechanical properties of a 3:1 =sand : cement mortar containing INDIAN SBR in the proportions 10 liters per 50 kg cement against a 3:1=sand :cement mortar at 28 days - air cured.



TECHNICAL DATA:-

PROPERTY	TYPICAL RESULTS
Colour	: White
Pot life	: 30 minutes
PH	: NUETRAL
Coverage	: Depends on finish of the surface
Recommended mixing ratio	: SBR 1 PART CEMENT 2 PART
Solid contents	: 38 % +- 1%
Active contents	: 10 % minimum
Recommended thickness	: Not less than 2 mm to 3 mm

Compressive strength : 32 N/mm²



Tensile strength : 5.0 N/mm²



Flexural strength : 10.9 N/mm²



Slant shear bond : 38 N/mm²



Chemical resistance :

Cementitious materials have limited chemical resistance. INDIAN SBR added to cement mortars reduces permeability and hence minimizes the damage by aggressive chemicals, acid, gases and water.

Application Methodology:

INDIAN SBR mortars, toppings, and renders must be sufficiently trowel compacted on the primed substrate layer. Exposed steel reinforcement should evenly and completely be applied with the mortar. The minimum thickness of applied INDIAN SBR mortar should be 4 mm and up to 40 mm. Avoid sagging with higher thickness. If formwork is used, it should have properly sealed faces to ensure that no water is absorbed from the repair material.

In cold conditions below 5°C, the use of warm water will accelerate strength gain. Do not apply if the temperature is below 5°C. At temperatures above 35°C, the material should be stored in the shade and cool water used for mixing. Do not expose INDIAN SBR application to moving water and heavy rainfall.

Priming

- Soak thoroughly the substrate with clean water and remove excess before application.
- A primer slurry should be prepared with 1 volume INDIAN SBR to 1 volume clean water to 3 volumes of fresh cement (1:1:3).
- To obtain a smooth consistency, the cement should be blended slowly into the premixed liquids.
- The primer slurry should be stirred frequently during use to offset settlement.
- The primer slurry should be scrubbed well into the surface of the substrate, to avoid 'ponding'.
- The repair mortar, topping, or render must be applied to the wet slurry primer.
- If the slurry primer dries before application of the mortar, it must be removed and the area reprimed.

For repairing reinforcement

Expose fully any corroded steel and remove all loose scale and corrosion deposits. Steel should be cleaned by using grit blasting process. Where chloride related corrosion is seen, the steel should be washed with high-pressured clean water immediately after grit-blasting to remove corrosion products from pits and imperfections within its surface.

Priming of Reinforcing steel

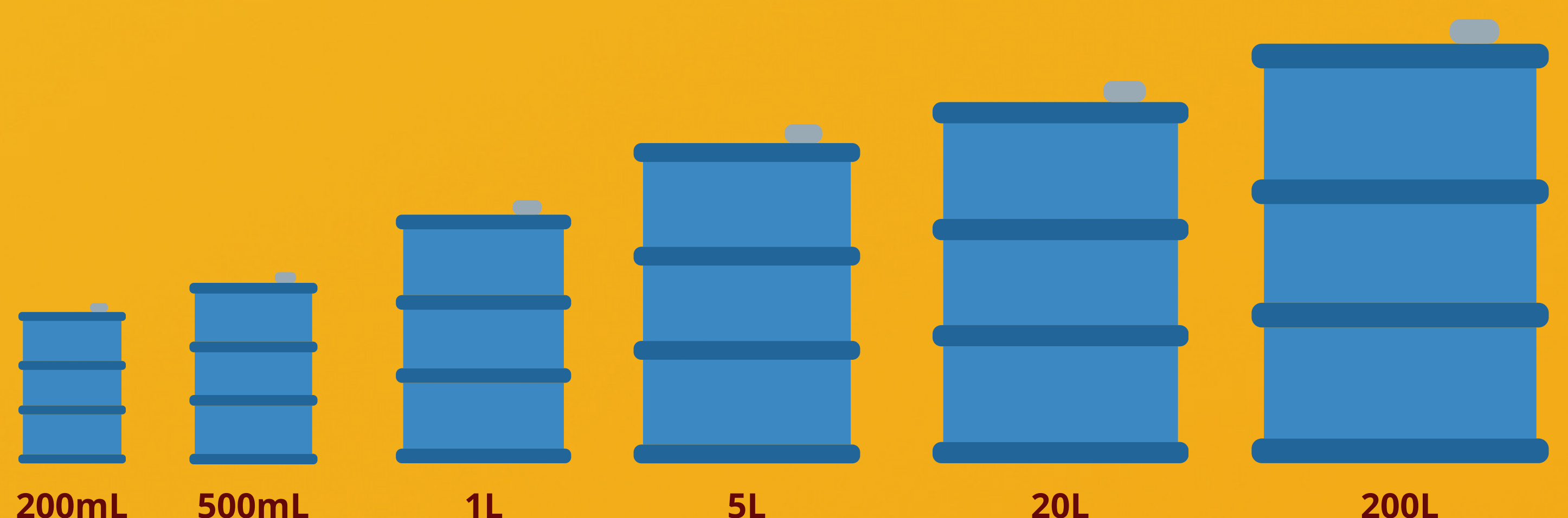
Apply one full coat of zinc-rich primer to any exposed steel reinforcement and allow to dry. If required, a second application should be made and, again, allowed to dry before continuing.

Procedure for Mixing

INDIAN SBR mortars should be thoroughly mixed in a mixer with a 400/500 rpm speed. Properly weighed quantities of cement, sand, and aggregates, if required, should be dry blended for 1 -1.5 minutes in the mixer. Immediately, add the mixed INDIAN SBR and clean water into the mixer. Continue mixing for 3 minutes to make homogeneous dispersal into the sand and cement. Adding further water should be minimal. Continue mixing up to a maximum of 5 minutes until a smooth consistency is achieved with the required workability and application properties.

Packing

INDIAN SBR is supplied in 200 ml, 500 mL, 1,5,20, and 200-liter drums.



Coverage INDIAN SBR: Approx. 2 to 3 sq. mt./ liter as primer slurry. Coverage dependant on-site Actual conditions.

Shelf life: shelf life of 24 months if kept in a dry store in the original, unopened bags or packs, and at normal temperatures.