

DESCRIPTION

RUIA SUPER LATEX is a modified Styrene Butadiene Rubber emulsion suitable for waterproofing repairs, bonding of old to new substrates, concrete repair and as an injection grout additive.

USE

- **Waterproofing** : Internal areas exposed to high water use such as toilets, bathrooms, terrace gardens, water tanks
- **Bonding Coat** : Bonding of old to new substrates
- **Tile Fixing** : Can be incorporated in the floor toppings for tile / stone fixing
- **Repair Mortars** : Repair and waterproofing of damp walls; repair of spalled concrete of floors, columns, beams etc.
- **Cracks** : For repair of large cracks
- **Pinhole Treatment** : A slurry coating for pinhole treatment on concrete surfaces
- **Injection Grouting** : Used as an additive in cement injection grouts to achieve better fluidity and adhesion

ADVANTAGES

- **Adhesion** : Excellent adhesion to most substrates (concrete, stone, tile, brick, ferrous metals, glass)
- **Impermeability** : Forms a durable and flexible impermeable membrane, thus exhibiting outstanding waterproofing characteristics
- **Higher Concentration** : RUIA SUPER LATEX has a high solid content in its class. So, it exhibits superior performance
- **Flexibility** : Forms a flexible film. Inhibits cracking and provides durability
- **Strength** : Increases strength of concrete / mortar
- **Economical** : Shows good performance in spite of water dilution, thus significantly reducing dosage and application costs
- **Easy Application** : Single component. Easy to use

APPLICATION

• Surface Preparation

Identify and remove all loose particles through grinding, chipping, wire brushing, sand blasting, vacuuming, water jet etc. Dust, grease, oil, rust, scale, old coating, laticance, weak and unsound substrate should be thoroughly removed.

Any cracks, potholes etc. should be properly repaired with the help of repair mortar as specified below.

Smooth surfaces should be mechanically roughened.

Saturate the surface with water, but ensure that excess free surface water / moisture is removed.

• Mixing

Prepare the suitable mix depending on the type of application as per the table below :

Application	Mixing Ratio	Coverage / Consumption
Waterproofing	Ruia Super Latex : Water : Cement = 1 : 4 : 8	70 - 80 sq.ft / Litre for 2 coats
Bonding Coat	Ruia Super Latex : Water : Cement = 1 : 4 : 6	175 sq.ft / Litre for 1 coat
Repair Mortar	Ruia Super Latex : Water : Cement : Sand = 1 : 4 : 10 : 40	35 gms / m ² / mm thickness

• Waterproofing Application

Brush apply a minimum of 2 coats within an interval of 4 to 6 hours.

Continuously stir the mix to prevent settling of cement. Use the mix within 30 minutes of preparation.

A glass fibre mesh of 45 gsm can be sandwiched between the 2 coats for added strength.

The waterproofing coat may be protected by a screed / plaster prepared using RUIA DAMP GUARD for longer life.

- **Bonding Coat**

Prepare the mix as indicated in the table above.

Brush apply 1 continuous coat on the prepared substrate.

Apply the mortar, concrete or tile while the bonding coat is still fresh and tacky.

- **Repair Mortar**

Apply a layer of bonding coat to prime the surface.

Prepare the mortar as per the table above.

Apply in a layer of 20 - 30 mm thickness. For higher thickness, apply in multiple layers at 12 hour intervals.

- **Curing**

It is important to avoid rapid evaporation. Cover the applied area with wet burlap and observe good construction practices.

PRECAUTIONS

- Avoid application in direct sunlight and strong wind.
- Maintain maximum layer thickness as indicated and apply in multiple layers, if needed.
- Protect freshly applied coats from running water.

MATERIAL SPECIFICATION

Chemical Base	:	Modified Styrene Butadiene Rubber emulsion
Appearance	:	Milky White Liquid
Solid Content	:	42 % \pm 2 %
Specific Gravity	:	1.02 \pm 0.02
pH Value	:	8.0 \pm 1
Chloride Content	:	Complies with BS 5075

SHELF LIFE

24 months from date of manufacture under proper storage conditions.
Store in undamaged, unopened, original sealed packaging.
Store in cool and dry condition, away from heat, frost and direct sunlight.

HANDLING & SAFETY

Use hand gloves & safety goggles.
On skin contact, wash thoroughly with water.
Keep away from children & pets.

PACKING

1 Litre, 5 Litres, 10 Litres, 20 Litres packs

DISCLAIMER

The company and its agents have provided product information and application details in good faith, which are intended to serve as a general guideline for usage. However, users are advised to conduct tests and trials to ensure that the products meet their specific requirements before using them on a full scale. It should be noted that factors such as correct identification of problems, quality of other materials used, and on-site workmanship are beyond the company's control, and therefore, no express or implied guarantee or warranty can be provided regarding the results obtained. The company cannot be held liable for any unsatisfactory results or consequential damage arising from the use of their products.