

DESCRIPTION

RUIA RAIN GUARD is a multi-functional acrylic polymer emulsion which, when added to cement mortar concrete / slurry, provides excellent waterproofing and adhesion. This product is 100% UV resistant thereby it is very suitable for exterior applications. It is also a good choice for bonding of old to new substrates and concrete repair work.

USE

- **Waterproofing** : Very suitable for external areas like roofs, balconies, terraces, roof gardens
- **Bonding Coat** : Bonding of old to new substrates
- **Repair Mortars** : Repair and waterproofing of water tanks, sun shades, swimming pools etc.
- **Cracks** : For repair of large cracks
- **Pinhole Treatment** : A slurry coating for pinhole treatment on concrete surfaces
- **Salt Petre** : Treatment of leaching and salt-petre action

ADVANTAGES

- **UV resistance** : Outstanding UV resistance of RUIA RAIN GUARD makes it most suitable for exterior applications
- **Adhesion** : Excellent adhesion to most substrates (concrete, stone, tile, brick, ferrous metals, glass)
- **Higher Concentration** : RUIA RAIN GUARD has a high solid content in its class. So, it exhibits superior performance
- **Flexibility** : Forms a flexible film. Inhibits cracking and provides durability
- **Vapour Permeable** : RUIA RAIN GUARD acts like skin - allowing vapour and moisture trapped in the substrate to escape while blocking water on the surface to seep in
- **Non-toxic & low VOC** : RUIA RAIN GUARD is non-toxic, non-corrosive to steel and water based
- **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.

For better and long lasting waterproofing on roofs, balconies & terraces, check the joints between the floor and parapet walls. If absent or damaged, construct angle fillets up to 6 inches height on the parapet wall. Incorporate RUIA RAIN GUARD / RUIA SUPER LATEX in the ratio specified for repair mortar in the table below.

All outlets such as drains should be properly sealed with repair mortar as specified in the table below.

Smooth surfaces should be mechanically roughened.

Saturate the surface with water, but ensure that excess 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 Rain Guard : Cement = 1 : 2 (For best results, do not dilute with water)	40 - 50 sq.ft / Litre for 2 coats
Bonding Coat	Ruia Rain Guard : Water : Cement = 1 : 2 : 3	120 sq.ft / Litre for 1 coat
Repair Mortar	Ruia Rain Guard : 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. Maintain at least 1 : 100 slope.

- **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

PRECAUTIONS

- For exterior applications on roofs, balconies, terraces etc., providing a screed, keeps the surface protected from ponding water.
- 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 Acrylic polymer with special additives
Appearance	:	Milky White Liquid
Solid Content	:	40% \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.