

DESCRIPTION

RUIA DAMP GUARD is a liquid Integral Waterproofing Admixture, blending the state-of-the-art Polycarboxylate Ether technology with surface active agents and special additives. It is used in concrete, wall plastering and all types of cement mortars.

USE

- Plastering work on walls
- Concreting of all types of structures like floor / roof slabs, columns, beams etc.
- Repair and maintenance of walls for damp, molds, salt-petre, fungal growth etc.
- Waterproofing concrete structures such as tunnels, basements, culverts, water tanks, canals, swimming pools etc.

ADVANTAGES

- **Low Dosage** : Very low dosage requirement, hence economical
- **Double Action** : Works on dual action of water reduction and impermeability
- **Workability** : Achieves good workability at low water-cement ratio
- **Application** : Simple application process
- **Versatile** : Suitable for both concrete and mortar applications
- **Durability** : Long lasting performance
- **Strength** : Improved compressive strength of concrete through low water-cement ratio
- **Corrosion Resistance** : Improves corrosion resistance of concrete

APPLICATION

- Prepare the dry mix of cement, sand and coarse aggregates (for concrete). Use mixing proportion as directed by the architect / engineer.
- Add 50 - 70% of the required water to the dry mix and mix thoroughly.

- Add RUIA DAMP GUARD to the remaining water. Ensure a dose of 150 ml per 50 Kgs cement bag. Stir well.
- Add the solution to the concrete / mortar and mix thoroughly for about 3 minutes to achieve a homogenous mix.
- Place the concrete / mortar within 30 minutes of mixing.
- Cure as per good construction practices.

PRECAUTIONS

- Do not add RUIA DAMP GUARD directly to the cement - aggregate dry mix. Dilute with water before adding.
- Limit the water - cement ratio to as low as possible in order to achieve the desired workability.
- Excess dosage may delay setting of concrete or mortar.

MATERIAL SPECIFICATION

Chemical Base	:	Modified Polycarboxylate Ether blended with surface active agents & special additives
Appearance	:	Brown Liquid
Solubility	:	100% soluble in water
Specific Gravity	:	1.02 ± 0.02
pH Value	:	8.0 ± 1
Chloride Content	:	Complies with BS 5075

DOSE

150 ml per 50 Kgs bag of cement

STANDARD

Conforms to IS 2645, IS 9103, ASTM C 494, 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.