



RAZON

Polymeric Water Proofer-854

POLYMERIC WATERPROOFER 854 (PWP854)

Polymeric WP 854 is a unique, high performance, flexible- multi-area application elastomeric cementitious waterproofing material, for guaranteed waterproofing applications.

RAZON manufactures Polymeric waterproofer for coatings and as a additive in waterproof mortars, which offers guaranteed water tightness, performance, and durability, for both type of structures- i.e. new as well as for repair and renovations of old structures.

Features of Polymeric Water Proofer

- Two component system,
- Does not require any protective coat, nor any primer coat
- Solvent free system, which makes working by labour easier
- Can be used on dry as well as slightly damp (not waterlogged) surface
- Very tough coating
- Abrasion resistant coating, can be used as the exposed coating
- UV resistant coating
- Can sustain huge water head.
- Ideal for treatment of large continuous areas. When used with reinforcements it can absorb movement and cracks in the substrate-
- Protective screeds can be eliminated if used with reinforcements.
- Provides relief by restraining the thermal absorption of the terraces. Cooler ceiling.
- Savings in costs, materials and time.
- Prevents paint from peeling in damp patches on walls

AREAS OF APPLICATIONS:-

- Terraces, Swimming Pools, etc.
- Water Tanks- Even For Potable Water.
- Elevated Storage Reservoirs **ESR** & Underground Storage Reservoirs **UGR**

CONFORMITY: Polymeric Waterproofer provides 0 mm water penetration of concrete coated with 2 coats @ 1 bar pressure, also:

Test	Method	Result	Remark
Water penetration	DIN 1048	0 mm penetration	@ 3 bar for 24 hours
Water penetration	DIN 1048	0 mm penetration	@ 7 bar for 24 hours
Scratch Resistance	IS 101	2-3 kg	Tough coating
Bond strength	ASTM D 4541	1 N/mm ²	

Polymeric WP 854 is designed for application in waterproofing mortars/ cementitious mortars prepared using natural sand, m-sand, crushed sand, washed sand, etc. It ensures very good bonding & waterproof characteristics. Razon Super IWP at dosage of 100-200 ml alongwith 800-1000 ml of Polymeric WP-854 is used for cementitious mortars based in m-sand, crushed sand for very good workability, waterproofing, homogeneity, and good bonding to substrate.

Method of use:-

Clean and degrease the surface that is to receive treatment suitable with wire brush and relevant degreasers. Use RAZON XRG for best degreasing and surface preparation. Make the surface as smooth as possible.

If any large cracks (>1.0 mm) are found, seal with ALL SEAL 1, small cracks may be directly grout with Polymeric WP 854.

To about 10-15 kg cement add 10-12 kg Polymeric WP 854. Best Results are obtained with 15 kg OPC cement per 10 kg PWP 854. For volumetric measurements- use any

ordinary plastic cup; and the proportion will be 6 cups of PWP-854 must be added to 7 cups of cement (use the same cup for measuring the quantities of PWP & cement. Do not add additional water to the mix. Stir vigorously, to obtain consistent quality slurry without any lumps.

Damp the surface, but do not water-log the surface which is to receive treatment with water. After the sprinkled water seeps into the concrete, brush coat the prepared coating material on the RCC surface. Three coats are recommended, yet not compulsory; for any blemishes on the first coat; shall be rectified.

Two coats must be applied keeping an interval of 12 hours between coats. Cross coating yields best results. Cure for 7 days by sprinkling water on the coating. For vertical surfaces, if additional protective screed is to be layed, sprinkle silica sand on the top coat while it is still wet for mechanical keying.

PWP has been designed in such a way that it is very receptive to further treatment and the bonding of the plaster/ mortar to coating of PWP + Cement is excellent.

For terrace, and water tank treatments which last upto 10-25 years use RAZON FG reinforcements, along with 3 coats of PWP+ Cement.

Polymeric WP 854 is designed to impart better compressional and flexural strengths to cement mortars than without additive. It increases the flexibility of cementitious mortars as compared to blank specimens. For cement-sand works (especially in Crushed sand waterproofing mortars) such as plaster, ghotai, brick bat, IPCC use 200-1000 ml Polymeric WP 854 per bag cement as an additive. Apply and Cure as usual.

If plaster work is complete, prior to putty, apply Polymeric WP 854 on the plaster to prevent any peeling of paint due to dampness on the walls. Apply putty within 20-45 minutes after coating Polymeric WP 854.

Polymeric WP 854 is non corrosive, non toxic and chloride free and alkaline in nature, hence the most suitable option for waterproofing applications.

No	PRODUCT DATA	
1	Colour	Milky
2	Specific Gravity	1.05-1.15
3	Packing	1,5, 50, 200 kg cans
4	Storage/life	1 yrs if stored away from direct sunlight in a sealed container.
5	Product tests	DIN 1048, IS 101, ASTM D 4541.
6	Proportion By weight	Use Proportion of 1 : 1.5 by weight PWP 854 to Cement for best results.
7	Proportion by volume	Use Proportion of 6 : 7 by volume (use same container for measuring volume) PWP 854 to Cement for best results.
8	Coverage	Polymeric WP 854-cement slurry provides 55-60sq ft per coat on a smooth surface condition.

OTHER PRODUCTS :-

(REV001/26.09.2020)

- FOR PERMANENT BATHROOM WATERPROOFING REPAIRS USE ONLY RAZON BATHFIX AR-
- MM 101 + TG 135 – Floor tiling additives for tiling in crushed sand
- Tile Joint Sealer EPB- Epoxy Tile Grout for floor and walls
- RAZON BOND 40 - Very tough paste for repairs of cracks in AAC masonry
- Tile Fix A-1 Tile adhesive for 8'x 4' tiles and dado tiling using vitrified tiles.



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