



MR. RIGHT MIX EPGUARD PLUS

HIGH CHEMICAL RESISTANT, EPOXY COATING FOR CONCRETE AND STEEL STRUCTURES

Description

Mr. Right Mix EpGuard Plus is a solvent free, two component, high chemical resistance epoxy coating. EpGuard Plus is a high build and fast drying epoxy coating which provides long term protection to steel and concrete substrates against corrosion & resistance to water ingress. Available in wide range of colors and it is formulated to be applied in one or two coats to achieve a minimum total- dry film thickness of 250 microns. Higher thickness can be specified in demanding applications.

Advantages

- Can be applied by brush or roller.
- Effective protection against water ingress and corrosion.
- Contains very low VOC.
- Cured film is very hard and abrasion resistant.
- Excellent bonding on concrete and steel surface.

Application

On concrete and steel tanks, laboratories, oil refining plants, chemical plants, swimming pools etc. can also be used as wall & floor coating.

Method of Application

1. SUBSTRATE PREPARATION

Concrete Surfaces: Before applying EpGuard Plus, ensure the substrate is sound free from flaky deposits, loose particles, dust and grease. Surface should be prepared by chipping, grinding and washing using suitable equipment such as high - pressure air, water-jet, or wire brush. Treat cracks, construction joints & pin holes in base surface with epoxy putty.

Use RIMIX EPrime 07 for better adhesion. Ensure surface moisture content is not more than 5% prior to primer application.

Steel surfaces: All steel surfaces should be grit blasted to achieve bright metal surfaces, free from flaky materials, rust, etc. and should be coated as soon as possible before the formation of rust or scale.

2. PRIMER

RIMIX EPrime 07 is recommended primer which can be applied using brush or roller. Priming is recommended for excellent adhesion with concrete surfaces.

3. MIXING

EpGuard Plus is supplied in pre weighed packs, ready for on site mixing. A suitable power-driven mixer/ stirrer is recommend for uniform mixing of EpGuard Plus . Stir the base and hardener separately. Add entire quantity of hardener into the base and stir well till a uniform color is achieved. Care should be taken to scrape the sides and bottom of the container. Wait for 5 minutes for induction and to release entrapped air from the epoxy mix. Remix the mass again before applying it.

4. APPLICATION

The product may be applied by a soft nylon brush or roller. If the concrete surface is very porous, more than two coats may be required to seal all surface pores otherwise air bubbles may appear on the next coat.

While application, the substrate temperature not above 35°C.

Technical information

Appearance of cured Film	Available on Request as per RAL
Mixing ratio Pack A:Pack B	4:1
Specific Gravity at 27 °C	1.350 ± 0.10
Solid Content	>98%
Pot life at 27 °C	30-50 Minutes
Initial Cure	24 Hours
Final Cure	7 Days
Recoating Time Interval at 27 °C	After 15 – 18 Hours
Recommended no of coat	2
Coverage Area	4-6 m ² /Kg/Per coat

Packaging

Mr. Right Mix EpGuard Plus Pack Size- 2.5 Kg (Pack A-2 kg and pack B-0.5 Kg)

Precautions

- Mix only sufficient quantity of material which can be consumed in 30-40 minutes at temperatures range around 20-30° C
- Do not apply if rain is expected within 24 hours.
- Do not dilute with water or any solvent and do not apply on wet surfaces.
- Clean all the equipment with Xylene or cleaning agent.

Shelf Life & Storage

12 Months in original unopened sealed condition. Material should be stored in cool and dry shade at temperatures between 5° C and 30° C. Also protect it from direct sunlight. Please avoid stacking of corrugated boxes and handle carefully during transport.

Health & Safety

Wear all PPE's at the time of application like safety boot, safety goggle, hand gloves, mask and avoid contact with skin and eyes. Any direct skin contamination with the hardeners should be washed off immediately with plenty of water and medical advice shall be sought immediately. If swallowed medical attention shall be sought immediately

Disclaimer:

Performance of the products depend on strict ADHERENCE to our guidelines. We will not be responsible for failure due to improper usages/application. The data's of various strength parameters, coverage are from compiled from our Laboratory results where testing's are conducted under Laboratory norms. Thus they should be treated as guidance only and actual field trials are recommended to ascertain the actual values and coverage.

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