



PRODUCT NAME: PREBOND-RCC700 (Chemical Resistant RCC Protective Coating)

Clear Name: High-Performance Silicone Modified PU Based Chemical Resistant RCC/Concrete Protective Coating



PRODUCT DESCRIPTION: PREBOND-RCC700 is a premium, 100% solids, solvent-free, two-component, high-performance Silicone Modified Polyurethane (Si-PU) paint/coating, specially developed for long-term chemical protection of reinforced cement concrete (RCC) surfaces. The coating forms a dense, seamless and impermeable barrier with outstanding resistance to strong acids & alkalis, industrial all aggressive chemicals, waste-water in direct contacts. It is designed to protect RCC floors, walls, tanks, pits, bunds, drains and other concrete structures in severe industrial environments while providing excellent adhesion, mechanical strength and long service life 02*-03* years more.



KEY BENEFITS

- No any types of primer required before its application.
- Semi-gloss, smooth, water-proof, hydrophobic and easy-to-clean finish.
- Solvent-free, low VOC, 100% solids, compliant with green building standards.
- Outstanding chemicals, scratch, impact & abrasion resistance for heavy-duty industrial & marine environments.



PHYSICAL PROPERTIES:

Property	Specification
Components	Part A (Base Colour) + Part B (Hardener)
Mix Ratio	4: 1 (04 kg Base + 01 kg Hardner)
Colour	Blue, Green, Grey, Yellow & Tile Red & Limited Colours Available
Finish	Semi-Gloss
Solids	100% by volume
Flash Point	>100°C
Viscosity	225 sec
Density	1.10 g/cc
Chemical Resistance	Excellent resistant to direct contact with industrial chemical & waste-water
Scratch/Abrasion	Excellent
Impact/Wear	Excellent



★ **APPLICATION PROPERTIES:**

Property	Specification
Pot Life	30–40 min
Touch Dry	2–3 Hours (27°C)
DFT	350–400 µm micron per coat (700-800 um micron in 02 coats)
Coverage	45–50 Sq. Ft. area in per kg.
No. of Coats	02 coats recommended for better results.
Recoating Interval Time	Minimum 12 Hours
Full Curing Time	24 hours for hardness (72 hours for full chemical resistance cure)
Application	Roller, Brush, Airless Spray
Shelf Life	12 months
Pack Size	(800 gm base+200 gm hardener) or (04 kg base+01 kg hardener)

★ **MIXING INSTRUCTIONS:**

1. Shake/stir Part-A (base colour) thoroughly before opening.
2. Add the entire contents of Part-B (hardener) to Part-A in the ratio 04: 01 (A: B) by volume.
3. Mix thoroughly with a slow-speed for 02 minutes, scraping sides and base of container.
4. Apply immediately within pot life. Do NOT add solvents. Do NOT thin. Partial kits must maintain the 04:01 ratio.

★ **RECOMMENDED USES:** Chemical processing plants, acid & alkali storage areas, ETP/STP tanks, neutralization pits, battery rooms, fertilizer plants, pharmaceutical plants, food & beverage industries, distilleries, refineries, power plants, RCC chemical tanks, process floors, containment bunds, RCC walls and concrete foundations etc.

★ **SURFACE PREPARATION:** RCC Concrete shall be fully cured, clean, dry and structurally sound. Remove laitance, dust, oil, grease and loose particles by grinding, shot blasting or other suitable mechanical methods. Repair cracks and defects before coating.

For, more any other technical details of the products & our services, please contact us. +91-9011926733, +91-9307742241

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