



★ **PRODUCT NAME: PREBOND-DT400 (Si-PU Floor Paint)**

**Direct-to-Concrete Coat Technology for Superior Protection against Wear, Abrasion, Scratch & Chemical Exposure**

★ **PRODUCT DESCRIPTION: PREBOND-DT400** is a two-component, self-priming Si-PU (Silicone-Modified Polyurethane) floor coating paint engineered to provide a durable and hard-wearing finish for RCC/concrete floors. The coating delivers excellent resistance to chemicals exposure, abrasion, scratches, impact and mechanical wear while providing an easy-to-clean, non-slip surface finish. Its 100% solids formulation eliminates curing shrinkage, ensuring that the applied wet film thickness is equivalent to the final dry film thickness. In single-coat application offers long-term protection for approximately 02\*–03\* years under normal service conditions.

★ **KEY BENEFITS:**

- No any types of primer required before its application.
- Semi-gloss, smooth, 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 & Red Colours Available                      |
| Coverage               | 50–60 Sq. Ft. area in per kg.                                          |
| DFT                    | 300–400 µm micron per coat                                             |
| Drying Time            | Touch dry 60 minutes, Hard dry-12 hours, Full cure-48 hours            |
| Finish                 | Semi-Gloss & Smooth                                                    |
| Solids Content         | 100% by volume                                                         |
| Viscosity              | 225 sec                                                                |
| Chemical Resistance    | Excellent in direct contact with a wide range of industrial chemicals. |
| Scratch/Abrasion, Wear | Excellent protection against surface damage and mechanical wear        |
| Oil & Soap Water       | Excellent performance with enhanced non-slip characteristics.          |



## ★ APPLICATION PROPERTIES:

| Property            | Specification                                                      |
|---------------------|--------------------------------------------------------------------|
| Pot Life            | Approximately 30–40 minutes after mixing                           |
| Recommended Coats   | 01 coat sufficient (apply 02 <sup>nd</sup> coat where required in) |
| Flash Point         | >100°C                                                             |
| Performance         | Light Traffic 12 hours ! Full Traffic 48 hours                     |
| Application         | Roller, Brush, Airless Spray                                       |
| Surface Preparation | Remove oil, grease and dust before application                     |
| Shelf Life          | 12 months                                                          |
| Pack Size           | (800 gm base+ 200 gm hardener) / (04 kg base+01 kg hardener)       |

★ **APPLICATIONS:** It is suitable for light, medium and heavy traffic areas including forklift routes, workshops, garages, battery rooms, showrooms, warehouses, marine, automotive plants and chemical processing industries etc.

## ★ MIXING INSTRUCTIONS:

1. Shake 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.



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