

# DECKBOND PU TOP

High Performance, Low VOC, Solvent Free, Flexible Polyurethane  
Traffic Coating System



## PRODUCT DESCRIPTION

High performance, low VOC, solvent free, flexible, glossy top coat based on polyurethane resin suitable for brush and roller application with a smooth finish possessing good chemical resistance and high abrasion resistance properties for intermediate car parking levels.

## APPLICATIONS

- Cosmetically enhances multi-storey car parks, making them brighter and safer places to visit.

## ADVANTAGES

- Environmentally Friendly
- Attractive
- Hard-Wearing
- Slip Resistant
- UV Resistant

## TECHNICAL DATA

PROPERTIES	RESULTS
Type	Two Pack Polyurethane resin cured with aromatic isocyanate
Composition	High Solids, Low VOC
Application	Brush or roller application
Colour	Assorted shades as per IS/RAL series
Solid Content	70 ± 2%
Mixing Ratio	Base: Hardner = 3:1 (v/v)
Drying time	Surface dry: 4-6 hrs. Hard dry: 24 hrs. Full cure: 7 days foot traffic after three days
DFT	150 microns per Coat
Theoretical Spreading Rate	4.7 m <sup>2</sup> /ltr/ coat
Overcoating interval	24 Hrs. drying
Impact Resistance	Passes
Tensile Strength	20- 25 MPa
Abrasion Resistance	0.1 gm loss per 1000 cycles (1 Kg load using CS 17 wheels)
Finish	Glossy
Packaging	12 and 24liters twin pack
Pot Life	60 minutes @ 30°C
Chemical Resistance ASTM D 1308-02(07)	Resistance to petrol, Diesel and Hydraulic Fluid

### **SURFACE PREPARATION**

Concrete substrate must be fully cured, dry, sound and clean. It shall be free from other contaminants, such as curing compounds, sealers, oil, grease, dust, salts etc. The guideline standards for preparation of concrete is as per SSPC SP 13; Cleaning with required tools to free of contaminants, laitance, loosely adhering concrete, dust by mechanical, chemical and or thermal methods. Weak concrete must be removed. All voids, dents are to be repaired. All cracks, dents and voids depending on the size and depth should be filled with epoxy putty or epoxy mortar after priming. Cohesive strength/ pull-off strength of concrete should not be less than 1.5N/mm<sup>2</sup>. Compressive strength should be to minimum 25N/mm<sup>2</sup>. DeckBond BC should be applied and fully dried. Surface leveling may if required be done using DECKBOND PU TOP is for thickness from 3mm to 5mm. DECKBOND PU TOP is applied after overnight drying of primer/screed.

### **APPLICATION GUIDELINES**

Ambient temperature should be between 15°C to 35°C. Relative humidity during application should not be more than 80%. Substrate moisture content should be lower than 5%. The base should be initially stirred to uniform consistency using a slow speed stirrer. The two packs consisting of base and hardner should be mixed in the ratio of 3:1 (v/v), by adding the contents of hardner to the base with a slow speed drill fitted stirrer with a proper mixing paddle and continue to stir uniformly to get a homogeneous mix. No thinning has to be done for application of floor coating finish.

### **SHELF LIFE**

Up to 12 months as long as the sealed containers are kept in a cool dry place (10°C to 35°C) and in original unopened containers.

### **PRECAUTIONS**

Not recommended for application on surfaces known or likely to have rising dampness or thermal shocks. All existing expansion joints, movement joints should be followed through the new floor surface. Joint sealant and geometry should be compatible with the applied floor type. Ensure substrate free of contaminants and solvents after surface preparation and over a primed and hard substrate. As a general precaution forced ventilation should be provided when applying coating in confined spaces. Inhalation of solvent vapours, or coating mist and contact with skin or eyes should be avoided. Safety precautions as with any epoxy compounds should be adhered. Refer MSDS and health and safety guidelines.

#### **Highbond Coatings Pvt Ltd**

Sr. No. 70/2B/1, Flat No 101 & 102,  
Purushottam Villa, Vadgaon Bk,  
Pune – 411041

**Tel :** +91 9370953995

**Mail :** info@highbondcoatings.com