

# DECK FLOOR PU

Solventless Heavy Duty Polyurethane Top Coat for Deck CRS Car Park system



## Introduction

Deck Floor PU is polyurethane based two component heavy duty, solventless floor coating specially designed for DECK CRS surfacing system for car park. It has excellent bonding, flexibility and abrasion resistance properties. Deck Floor PU is available in varieties of color shades including glossy and matte finish. Application of Deck Floor PU significantly improves the durability and aesthetic appearance of the applied surface and its surrounding.

## Key Features

- 100% solid no volatile organic content – can be applied at indoor areas without the risk of health hazard
- Excellent adhesion with concrete, brick and natural stone
- Optimum mix viscosity, pot life and drying properties
- Good resistance against vehicular tyre scratch marks
- Excellent gloss and colour retention
- Resistant against motor oil, greese, petrol, deisel spillage stains
- Does not allow algae formation or root penetration

## Technical Data

	Part A:5	By weight
Mixing	Part B:1	
Ratio	Part A:4	By volume
	Part B:1	
Mix density	1.4 g/ ml	
Pot life @ 25°C	15 minutes	
Tack free time	3-4 hours	
Cure time	24 hours hours	
Coverage	0.75 Kg./ sq.m.	
Adhesion strength	>3 N/mm <sup>2</sup>	
Tensile Strength	>8 N/mm <sup>2</sup>	
Elongation	>50 %	
Taber abrasion resistance	<50 mg/1000 cycles	

## Application Procedure

### Surface Preparation

- Make sure the surface is free from dust, debris, laitance, paint, grease, oil etc. The moisture content in the concrete must be less than 5%.
- Remove dust using vacuum system or air blower. Remove paint using mechanical abrasion. Do not use thinner to remove paint or coating.
- The ambient temperature for application must be between 15-35°C.

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## Material Preparation

- Both the components of Deck Floor PU are pre weighed in required proportion for best performance.
- Empty the content of Deck Floor PU Part B in Part A container completely and mix it using low RPM (300-400 RPM) helical mixer for 1-2 min. Avoid air entrapment during mixing.
- However if part mixing is required, strictly follow the mixing ratio as given in the table above.

## Application

- Apply the freshly prepared Deck Floor PU on the prepared surface using clean brush/ roller.
- Allow the coating to cure for 24 hours before resuming traffic.
- Clean the application tools using Deck Thinner.

## Packaging

Deck Floor PU Part A – 5 Kg and 20 Kg pail

Deck Floor PU Part B – 1 Kg and 4 Kg can

## Storage

Store in the original container with the lid closed appropriately. Keep in cool, dry and under shed condition away from sunlight and water. Storage temperature must be between 10 to 35°C. Deck Floor PU performs well for at least 6 months from the date of manufacture.

## Health and Safety

Kindly wear hand gloves, nose mask and safety goggles while handling the product. Any contact with eyes should be washed immediately with clean water and seek medical advice. Do not use empty cans obtained after using Deck Floor PU Part A for containing potable water or any other edible item. Deck Floor PU Part B contains carcinogenic compounds thus care and attention must be taken while handling it. Waste chemicals must be disposed properly. Do not throw them on land or sewage directly.

## Product Disclaimer

This product is manufactured with utmost care and precautions using best available materials, techniques and keeping in view the end use and assured performance. However, no specific guarantee can be given since the application of the product (prevailing site and environmental conditions while applying etc.) is beyond our control. We therefore welcome consultation in the event of doubt