

DECKBOND BC

High Performance Base Coat Based on Polyurethane Resin



PRODUCT DESCRIPTION

High performance base coat based on polyurethane resin suitable for as self-leveling application with a smooth finish possessing good flexibility and abrasion resistance properties.

APPLICATION

- Multilevel Car Parks
- Power Plants
- Refineries
- Warehouses
- General Chemical Industries
- Automobiles
- Showrooms
- Production Areas

TECHNICAL DATA

PROPERTIES	RESULTS
Type	Three pack, Polyol resin cured with aromatic isocyanate
Chemical Base	Polyol – aromatic isocyanate
Application	Serrated trowel and spike roller
Colour	Characteristic colour of white sand
Density	97 +/- 2%
Mixing Ratio	Base: Catalyst: Aggregates = 2.5:1:4 (w/w/w)
Pot Life	15 Minutes at 30°C
Theoretical Spreading Rate	1.6 kg/sqm/mm
Drying time	Surface Dry - Within 1 hours (30°C) Hard Dry – Over Night (30°C)
DFT	1 – 3 mm (For Self-leveling)
Shore A-hardness	40

Finish	Smooth and glossy
Packaging	20 Kgs
Shelf life	Up to 12 months in original unopened container in cool places (within the temperature range 5°C - 35°C), Protect from weather and moisture / contaminant ingress

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/mm². Compressive strength should be to minimum 25N/mm². DeckBond BC should be applied and fully dried. DeckBond BC is applied after overnight drying of primer/scratch coat.

APPLICATION GUIDELINES

Ambient temperature should be between 15°C-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 and aggregates should be mixed in the ratio of 2.5:1:4 (w/w/w), by adding the contents of hardner to the base with a slow speed drill fitted stirrer with a proper mixing paddle and then add aggregates and continue to stir uniformly to get a homogeneous mix. No thinning has to be done for application of floor coating finish.

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.

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