

SUPERTOP PU 100

Two-Component, Solvent Free Aromatic Polyurethane Coating

Description

SUPERTOP PU 100 is a two-component, flexible, chemical and abrasion resistant polyurethane protective coating. It is designed for application in trafficked areas and car park decks.

SUPERTOP PU 100 is ideal for internal areas, or external areas covered with aliphatic UV resistance polyurethane coatings. It's hard-elastic surface reduces slippage and the squeaking noise from tires.

Features & Benefits

- Tough and flexible coating.
- High penetration and adhesion properties
- Integrated with various resin systems
- Good chemical and stain resistant
- Excellent wear, impact and abrasion resistance
- Durable and easy to apply
- Slip resistance finish.

Uses

SUPERTOP PU 100 is used as hard-elastic protective coating, designed as part of the polyurethane deck coating systems on intermediate car park decks.

It may be used as a top coat in interior areas. Or on exposed decks where UV resistance is required topped with a UV resistant top coat.

SUPERTOP PU 100 can be used for coating concrete floor in alimentary, pharmaceutical industries, warehouses, mechanical rooms, car parks, chemical plants, industrial floors, showrooms, workshops, etc.

Technical Properties

Appearance	Liquid Resin
Color	Refer to SBI Color Chart
Density	1,350 Kg/m ³ approx.
Pot Life	45 minutes @ 25 °C
Bonding Strength	Higher than concrete cohesion
Solid Contents	100%
Elongation	35%
Taber Abrasion	<0.1g

Tear Strength	45 N/mm ²
Tensile Strength	20 N/mm ²
Crack Bridging	Pass
Open to foot traffic	16 hrs @ 25 °C
Open to vehicular traffic	3 days @ 25 °C

All values are subject to 5-10% tolerance

Standards Compliance

- ASTM D 638
- ASTM C 1305 & C 957

Application Procedures

Surface preparation:

All surface should be sound, clean and dry free from loose material, efflorescence, laitance, curing compound, dirt, oil, grease, etc.

Concrete substrate should be grit blasted first. Cracks, pinholes should be repaired with suitable product. Seek SBI Technical Department for the right product for repair.

All projections, rough spots, etc. should be dressed off to achieve a level surface prior to the application. Concrete - Should be cleaned and prepared to achieve a laitance-free and contaminant-free. Removing residual dust will help ensure a tenacious bond between the primer and substrate. New concrete should be dry with humidity below than 5%.

If no epoxy or polyurethane coat is applied, priming for concrete substrate is required. Prime with TOPSEAL epoxy primer. Allow the primer to cure for 6-8 hours until tack free film achieved before applying subsequent coats. Ensure that the primer is pore-free, pinhole-free and provides uniform and complete coverage over the entire substrate.

Mixing Instructions:

For preparation of product, pour the hardener pack (component B) into component A (Base) and mix carefully with electric mixer at low number of turns, continue till obtaining a homogeneous mix.

Application Instructions:

Using roller brush or airless spray unit apply **SUPERTOP PU 100** in a rate of 4-6 m² per liter for the first coat. As a protective coating. If slip resistance finish is required, spray the silica sand with the required sieve size (Quartz) onto the first coat while it is wet, apply in a rate of 0.5-1.0 kg/m². Once cured, remove excess sand. Apply the final coat, ensure full coverage of all aggregate grains to uniform the final color and sheen.

Coverage

4 m² /Liter per coat (in 250 microns WFT)

Coverage depends on substrate porosity and profile.

Packaging

SUPERTOP PU 100 is available in 4 Liters & 15 Liters Two-Component Kits.

Storage

Keep the product in dry and sheltered place at temperature between +5°C to +35°C. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

Health and Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor.

For further information or particular use, contact SBI Technical Department.

Quality & Care

All products produced in SBI facilities are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001 & ISO 14001.

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