TECHNICAL DATA SHEET

SUPERTOP PUV 100

High Build, UV Resistant Polyurethane Coating

Description

SUPERTOP PUV 100 is a solvent-free, two- component colored protective floor coating based on aliphatic polyurethane resins. It gives gloss to semi-gloss finish, high abrasion resistance, elastomeric, with UV resistance.. The product formulated with special adhesion promoter to give high surface penetration and adhesion.
SUPERTOP PUV 100 is ideal top finish coating over any epoxy or polyurethane flooring to produce excellent hardwearing, non-yellowing UV, crack bridging and chemical resistance durable coating.

Features & Benefits

- Solvent free, odor less.
- High UV resistant and flexible coating.
- High penetration and adhesion properties
- Integrated with various resin systems
- Excellent chemical and stain resistant
- Excellent wear, impact and abrasion resistance
- Durable and weather resistance.
- Slip resistance finish.

Uses

SUPERTOP PUV 100 designed for a wide range of floors and walls with various levels of mechanical and chemical exposure. Specially designed for areas exposed to direct sunlight where gloss and color stability is desired. Recommended as a topcoat as part of the traffic deck PU or epoxy systems, for areas such as ramps, car parks, parking bays, pedestrian walkways and industrial floors.
SUPERTOP PUV 100 can be used for coating concrete floor in alimentary, pharmaceutical industries, warehouses, mechanical rooms, car parks, showrooms, workshops, cold storage area, etc.

Technical Properties

Appearance	Liquid Resin
Color	Refer to SBI Color Chart
Density	1,350 Kg/m^3 approx.
Pot Life	30 minutes @ 25 ^oC
Bonding Strength	≥2.5 N/mm^2 (Higher than concrete cohesion)
Service temperature	-20 to +85 ^oC
Abrasion Resistance	<40 mg/ 1000 cycles
Elongation	100%
Crack Bridging	>2mm
Tensile Strength	5 N/mm^2
Open to light traffic	24-48 hrs @ 25 ^oC
Full cure	7 days @ 25 ^oC
Chemical resistance	Resistance to wide range of chemicals

All values are subject to 5-10% tolerance

Standards Compliance

- EN ISO 12944-5, EN 1504-2
- ASTM D 4541, D 4060, D 412, C836

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 either TOPSEAL epoxy or PU 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.

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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 PUV 100** in various application thickness of 150-200 microns per coat. As a protective coating, second coat is not required. Second coat can be applied after 12-24 hrs.
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 0.6-1 kg/m^2. Once cured, remove excess sand and apply the final coat.

Coverage

4 – 5 m^2 /Liter per coat (in 200 microns dry film thickness)

Coverage depends on substrate porosity and profile.

Packaging

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

Storage

Keep the product in dry and sheltered place at temperature between +5ºC to +25ºC. 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.

PRODUCT CONFORMITY
AL SA'FAT - GREEN BUILDING
Certificate No. CL21020772

SBI products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service. All SBI datasheets are updated on a regular basis. It is the user's responsibility to obtain the recent version.

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