

SUPERTOP APU

Aromatic Polyurethane Intermediate Coating

Description

SUPERTOP APU is a two-component, high performance, flexible, aromatic polyurethane protective coating. It is designed for application as intermediate in traffic flooring systems exposed to aggressive environments.

SUPERTOP APU is ideal to be used in a single coat in internal and external areas as part of polyurethane flooring systems. It's hard-elastic surface reduces slippage and the squeaking noise from tires.

Features & Benefits

- Flexible and dynamic cracks bridging.
- High penetration and adhesion properties
- Integrated with various resin systems
- Excellent watertightness.
- Good wear, impact and abrasion resistance

Uses

SUPERTOP APU is used as hard-elastic protective coating, designed as part of the polyurethane deck coating systems on intermediate car park applications. It may be used as a topcoat in interior areas. Or on exposed decks where UV resistance is required topped with a UV resistant topcoat.

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

Technical Properties

Color	Refer to SBI Color Chart
Density	1,35 Kg/m ³ approx.
Pot Life	30 minutes @ 25 °C
Bonding Strength	>2.0 N/mm ² (Higher than concrete cohesion)
Crack Bridging Ability	Pass 2mm
Elongation	300%
Water Resistance	Pass
Tear Resistance	18 N/mm
Tensile Strength	5 N/mm ²

Touch Dry	10-12 hrs
Full Cure	7 Days
Water vapor transmission	0.3g/h/m ²

All values are subject to 5-10% tolerance

Standards Compliance

- ASTM D 412, D 624, D 4060, D 2240
- ASTM C 836

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 or PU primer. Allow the primer to cure for 6-8 hours until tack free film achieved before applying subsequent coats.

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, trowel, or spray machine apply **SUPERTOP APU** in a rate of 2 m² per liter for the 500micron thickness. As a protective membrane.

SUPERTOP APU is intermediate layer in epoxy or PU multi-layers system, it requires the application of top coat of Epoxy or PU top finishing coating.

Coverage

2 m² /Liter for thickness of 500 microns. Coverage depends on substrate porosity and profile.

Packaging

SUPERTOP APU 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 +25°C. In these conditions and in closed original containers, the product will have a shelf life of at least 6 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.

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.

REV 03-2008

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