TECHNICAL DATA SHEET

SBI GUARD PU1550

Skid Resistance, Waterproofing, Protective System

Description

SBIGUARD PU1550 is a multi-layer, colored, deck protective system for floorings. It is consisting of high penetrating primer, High Build epoxy intermediate layer and UV resistance hardwearing Aliphatic PU topcoat. The cured system designed to give tough, hard wearing and UV resistance protective coating.
SBIGUARD PU1550 is ideal protective system for new and existing high traffic areas.

Features & Benefits

- Non-yellowing UV resistant.
- Flexible, dynamic cracks bridging.
- Tough, seamless, tear resistant.
- Waterproof and weather stability.
- Excellent impact and abrasion resistance
- Resistant to chemicals
- Good slip resistance

Uses

SBIGUARD PU1550 is designed for new and existing substrates to provide high level of protection to heavy traffic areas, providing mechanical strength, stable finish and protection from UV light in direct sunlight exposure.
SBIGUARD PU1550 can be used in car park ramps, floor deck exposed to sun light, drive ways, warehouses, garages, industrial areas and all areas exposed to heavy traffic.

Technical Properties

Build up system:

TOPSEAL EP70	Solvent based Epoxy primer (for porous floors)
SUPERTOP EP100	Intermediate Epoxy layer
SUPERTOP PUV75	Aliphatic PU Topcoat

Intermediate Coat (SUPERTOP EP100):

Color	Refer to SBI color chart
Compressive strength	80 N/mm^2
Tensile Strength	22 N/mm^2
Resistant to chemical spillage	After 7 days
Shore D Hardness	80-85
Water absorption	0.05%

Hard Wearing PU Coat:

SUPERTOP PU75

Colors	Refer to SBI color chart
Weather Resistance	No Change
Humidity Resistance	No Change
Corrosion Resistance	No Change
Abrasion Resistance	<45 mg (1 kg/1000 cycle)

All values are subject to 5-10% tolerance

Standards Compliance

- ASTM D 570, D 2240, D 638
- ASTM G 53
- ASTM B 117

Chemical Resistance:

Material	Resistance
Medium concentrated acids	Resistant
Break Fluids	Resistant
Crude Oil, Petrol, engine oil	Resistant
Salt solutions, Detergents	Resistant
Mineral Oil, Kerosene, Diesel	Resistant
Gasoline / Jet Fuel	Resistant

Application Procedures

Surface preparation:

All surfaces should be sound, clean and dry free from loose material, efflorescence, laitance, curing

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compound, dirt, oil, grease, etc. New concrete should be dry with humidity below than 5% (28 days cured).

Concrete substrate should be grit blasted first. Cracks, pinholes should be repaired by using epoxy mortar. Pinholes, cracks and small defects to be repair with EPOREP FINISH epoxy mortar. For any support Contact SBI Technical Department for advice.
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.

Priming:

Solid concrete substrate does not require priming. In some cases where the concrete is high porous prime with TOPSEAL EP70 epoxy primer. Apply in a rate of 5-6 m^2/ liter. Allow primer to cure for minimum 24 hrs.

Intermediate Coat:

SUPERTOP EP100

Using roller apply **SUPERTOP EP100** at a rate of 4 to 5 m^2/ Litre. Allow material to dry for minimum 16 hrs. while the coat is still wet, apply Silica (Quartz No.3) in a rate of 0.4-0.8 kg/m^2 and allow to cure for 16 hours before removing excess Silica.

Aliphatic PU Topcoat:

SUPERTOP PUV 75

For preparation of **SUPERTOP PUV 75** 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.

Using roller apply **SUPERTOP PUV 75** in thickness of 140-160 microns WFT per coat (4-5 m^2/Ltr.).
When system application is done, allow to dry for minimum 2-3 days @ 25 ^oC before traffic used.
ROAD MARK lining can be applied after 5 days of topcoat application.

Packaging

Products are 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,

Shelf life

Upon meeting the above good house keeping criteria,

SUPERTOP EP 100 : 12 months from date of production

SUPERTOP PUV 75 :12 months from date of production

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.

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