TECHNICAL DATA SHEET

SBI GUARD PU1555

UV & Skid Resistance, heavy duty, Flexible PU System

Description

SBIGUARD PU1555 is a multi-layer, colored protective system for car park decks. It is consisting of high penetrating primer, waterproofing membrane, flexible crack bridging ability intermediate and UV resistance wearing coarse topcoat. The cured system designed to give tough, UV resistance and flexible protective coating.
SBI GUARD PU1555 is ideal protective system for new and existing high traffic areas.

Features & Benefits

- Non-yellowing UV resistant.
- Flexible, dynamic cracks bridging.
- Tough, tear resistant.
- Watertight and weather stability.
- Excellent impact and abrasion resistance
- Durable and easy to apply

Uses

SBI GUARD PU1555 is designed for new and existing substrates to provide high level of protection to heavy traffic areas.
SBI GUARD PU1555 can be used in car park ramps, decks, car parks, industrial flooring, turning areas and other areas exposed to traffic loads.

Technical Properties

Build up system:

TOPSEAL EP100	Solvent free Epoxy primer
SUPERTOP PU Membrane	Polyurethane membrane flexible layer
SUPERTOP APU	Aromatic Polyurethane intermediate layer
SUPERTOP PUV75/ or 100	Aliphatic PU Topcoat

Membrane Layer:

SUPERTOP PU Membrane

Elongation	>100%
Crack Bridging ability	Pass
Tensile Strength	6.0 N/mm^2
Tear Resistance	26 N/mm

Intermediate Layer:

SUPERTOP APU

Elongation	>300%
Crack Bridging ability	Pass
Tensile Strength	4.0 N/mm^2
Tear Resistance	15 N/mm

Hardwearing Topcoat:

SUPERTOP PUV75 or 100

Weather Resistance	No Change
Humidity Resistance	No Change
Corrosive Resistance	No Change
Abrasion Resistance	<40 mg (1 kg/1000 cycle)

All values are subject to 5-10% tolerance

Standards Compliance

- ASTM D 412, D 624
- ASTM C 1305
- ASTM B 117

Application Procedures

Surface preparation:

All surfaces should be sound, clean and dry free from loose material, efflorescence, laitance, curing compound, dirt, oil, grease, etc. New concrete should be dry with humidity below than 5%.
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

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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. Removing residual dust will help ensure a tenacious bond between the primer and substrate.

Priming:

Prime with TOPSEAL EP 100 epoxy primer. Apply in a thickness of 200 microns wet film thickness (5 m^2/ liter). spray silica sand (Quartz No.3) onto the primer coat while it is wet, apply in a rate of 0.4-0.6 kg/m^2. Once cured (minimum 16 hrs) remove excess sand.

Membrane Coat:

Using notched trowel or squeegee apply one coat of **SUPERTOP PU Membrane** at wet film thickness of 750 microns (1.3 m^2/ litre). Allow the membrane to dry for minimum 16 hrs.

Intermediate Coat:

Apply **SUPERTOP APU** at a wet film thickness of 200-500 microns (2.5 m^2/ Litre). For better results is recommended to use notched trowel or squeegee tools. Broadcast with Silica (Quartz No.3 or 4) at a rate of 2-3 kg/m^2 and roll with spike roller. Allow material to dry for minimum 16 hrs.

Hardwearing Top Coat:

For preparation of **SUPERTOP PUV 75/ or100** 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/ or 100** in thickness of 100-200 microns WFT per coat (0.1-0.2 Ltr/m^2).
When system application is done, allow to dry for minimum 3 days @ 35 ^oC or 7 days @ 25 ^oC before traffic used.

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, the product will have a shelf life of at least 12 months depend on product (refer to product technical data sheet).

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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