TECHNICAL DATA SHEET

SBI GUARD PU1500

Flexible, hardwearing, waterproof, Polyurethane Flooring System

Description

SBIGUARD PU1500 is a multi-layer, colored protective system for heavy traffic floorings. It is consisting of high penetrating primer, flexible crack bridging ability intermediate and UV resistance hardwearing Aliphatic topcoat. The cured system designed to give tough, hard wearing, flexible and UV resistance protective coating.
SBIGUARD PU1500 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

Uses

SBIGUARD PU1500 is designed for new and existing substrates to provide high level of protection to heavy traffic areas.
SBIGUARD PU1500 can be used in car park ramps, decks, aircraft hangers, transport depots and all areas exposed to high traffics.

Technical Properties

Build up system:

TOPSEAL EP100	Solvent free Epoxy primer
SUPERTOP APU	Intermediate PU layer
SUPERTOP PUV75/or 100	Aliphatic PU Topcoat

Intermediate Layer:

SUPERTOP APU :

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

Hard Wearing PU 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
- ASTM E 648- Class I

System 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 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

TECHNICAL DATA SHEET

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 EP100** epoxy primer. Apply in a rate of 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.

Intermediate Coat:

Using roller apply **SUPERTOP APU** at a rate of 2.5 to 5 m^2/ Litre. Allow material to dry for minimum 16 hrs.

Hard wearing Topcoat:

For preparation of **SUPERTOP PUV75 or 100** 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 PUV75/ 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 °C or 5 days @ 25 °C 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 +5°C to +25°C. In these conditions and in closed original containers,

Shelf life:

Upon meeting the above good house keeping criteria,

TOPSEAL EP100 : 12 months from date of production

SUPERTOP APU intermediate: 12 months from date of production

SUPERTOP PUV75/ 100 : 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.

REV 03-2027

SALES OFFICE : Dubai, Jebel Ali Industrial 1
FACTORY : RAK, Jazerat Al Hamra

Tel.+971 4 8802131
Tel. +971 7 2210066
www.sbi-me.com , info@sbi-me.com