

SUPERLEVEL PU 30

Self-leveling, Solvent Free Elastic Polyurethane Topping

Description

SUPERLEVEL PU 30 is a three- component colored, low emission, elastic self-leveling polyurethane floor topping. It gives semi-gloss finish, high UV, chemical and abrasion resistance finishing.

SUPERLEVEL PU 30 is formulated from polyurethane resin, hardener and special selected fillers to provide water-tight and hygienic topping in a thickness between 1.0 to 3.0 mm.

Features & Benefits

- Non-yellowing UV resistant and flexible topping.
- Low emissions and hygienic coating.
- Excellent adhesion properties
- High chemical and stain resistant
- Excellent wear, impact and abrasion resistance
- Durable and easy to apply
- Slip resistance finish when broadcast.

Uses

SUPERLEVEL PU 30 is suitable as a colored, durable and seamless finish for concrete floors. It is specially designed as a finish topping on floors that are exposed to medium and heavy loads such as;

- Industrial production facilities
- Schools and hospitals
- Shops and workshops
- Laboratories, offices and pharmaceutical areas
- Car parking areas
- Warehouses and cold storage areas
- Commercial and residential buildings

Technical Properties

Appearance	Liquid Resin
Color	Refer to SBI Color Chart
Mix Density	1,550 Kg/m ³ approx.
Pot Life	30 minutes @ 25 °C
Bonding Strength	>2.0 N/mm ² (Higher than concrete cohesion)
Shore D hardness	70
Service temperature	-15 to +80 °C

VOC	<10 g/L
Elasticity Module	≥1200 N/mm ² approx.
Tensile Strength	30 N/mm ²
Compressive strength	55 N/mm ²
Flexural strength	32 N/mm ²
Abrasion resistance	60 mg/1000 cycles
Open to light traffic	24-48 hrs @ 25 °C
Full cure	7 days @ 25 °C
Chemical resistance	Resistant to wide range of cleaners and mild chemicals

All values are subject to 5-10% tolerance

Standards Compliance

- EN 13892-8
- ASTM C580, C579, D2240, D638
- ASTM D 4541, D 4060
- BS 6319-7

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. It is always recommended to sand blast/ grind the floor to provide mechanical bonding with PU topping.

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 moisture below 4%.

All surfaces should be primed before applying **SUPERLEVEL PU 30**. Prime with TOPSEAL EP or PU primer. Allow the primer to cure for 8-10 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.

Mixing Instructions:

SUPERLEVEL PU 30 is composed of three components that must be mixed at the moment of use. The entire contents of the hardener pack (Part B) should be added to the base first (Component A) and mix together for 2-3min with a drill at low number of turns (200-300 RPM) till obtaining a homogenous mix before adding the filler (Component C), be sure to achieve a homogenous color mixture before application.

Application Instructions:

Pour **SUPERLEVEL PU 30** mixture onto the primed substrate and spread to the required thickness using serrated trowel. Immediately after the application, pass a spiked roller onto the surface in order to remove slight trowel marks and free the air bubbles.
Do not dilute the mixture with any type of solvents.

Coverage

Each 1 Ltr of **SUPERLEVEL PU 30** will cover 1 sq. meter in 1 mm thickness.

Coverage depends on substrate porosity and profile.

Packaging

SUPERLEVEL PU 30 is available in 15 Liters three-Component Kits.

Storage

Keep the product in dry and sheltered place at temperature between +10°C to +25°C. 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.



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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