SolidLux Top Coat 910 Anti-slip

Product description

Opaque, solvent-free, semi-gloss finishing coat.
Cured by direct exposure to UV light.

- Minimum disruption to floor users
- Immediately resistant to chemical and mechanical pressures after curing
- Accessibility and use are disturbed as little as possible
- Solvent-free
- Can be applied in very low temperatures
- Excellent outdoor durability
- Hardwearing, scratch and impact resistant
- Highly resistant to chemicals
- Easy to clean
- Light anti-slip texture
- Impermeable
- Easy to apply
- Cures independently of temperature

Time is money: a SolidLux floor coating system can be applied with business being carried on as usual and with minimum disruption to your workflow. Another important benefit – which cannot be expressed in monetary terms - is the customer satisfaction of residents, users and the public, due to the minimal disruption of access to (gallery) flats, parking garages or other public spaces by following a carefully planned work order, temporary emergency provisions in many cases may not even be required.

Where can it be applied?

Can be used outside and inside, as a durable finish on any mineral surface.
As a coating for mechanically and chemically pressured (industrial) floors in warehouses, production areas, parking garages, balconies, galleries, outdoor terraces, stairs and workshops.
Usable on existing, undamaged epoxy or polyurethane based coatings or as a sealer top coat.
Strictly to be used in combination with SolidLux Base Coat 900 and UV equipment approved by SolidLux.

Colour and packaging

Available in 5 and 10 kg containers in the following 9 industrial standard colours;
white, black, SL 7001, SL 7016, SL 7030, SL7035, SL 7037 and SL 7044
In addition to standard colours, also available as a colourless sealer.
Other colours available on request.

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SolidLux Top Coat 910 Anti-slip (cont'd)

Performance and properties

Binder	UV-cured acrylate-based synthetic resin
Density at 20°C	approx. 1.5 kg/dm³
Viscosity at 20°C	approx. 90 KU
Solids	approx. 100 volume %
Curing time	Instantly ready for use after curing (direct exposure to UV light)
Adhesive strength	> 4.0 N/mm² (concrete fracture) Complies with required EN 1542 norm of 1.5 N/mm² at minimum. (minimum required tensile strength for concrete surfaces)
Ant-slip factor	Dynamic friction coefficient = μ > 0.60 Satisfies the requirements of NEN 7909.
Walking load	Required anti-slip factor for pedestrian surfaces based on NEN 7909 design

Application	Sufficient Slip resistance
Dry application	μ ≥ 0,30
Wet application	μ ≥ 0,40
Wet application in swimming pool	μ ≥ 0,45

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Industrial	Complies with NEN-EN 13036-4 Road and airport bitumen surface properties and industrial (wet) floor surfaces.
Gloss gradation	semi-gloss, approx. 45 G.U. at 60°

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SolidLux Top Coat 910 Anti-slip (cont'd)

Instructions for use

Application	Brush, wiper and roller
UV curing	Mobile UV curing installation or UV hand-held lamp Distance between the UV lamp and coating should be 35 mm.
Speed of curing	max. 5 m^1 per minute Over curing can be prevented by keeping the UV lamp in motion.
Dilution	Ready for use
Conditions of use	Temperature of surface must be at least 3°C above dew point to prevent condensation. The surface to be treated may contain a maximum of 4% moisture. Avoid direct sunlight (UV).
Attention points	- Avoid exposure to direct sunlight (UV) by screening off the area. - Mix coating mechanically before use and after pausing (slow rotation). - Apply with nylon roller (high piled, 9 - 13 mm, depending on the roughness of the surface). - SolidLux Top Coat 910 Anti-slip can only be applied over a SolidLux Base Coat 900. - Do not apply a thicker coat than instructed (see theoretical coverage). To prevent thick layers. - Apply only 1 finishing coat of SolidLux Top Coat 910 Anti-slip. - Directly after application and tight flow cure coating by direct exposure to UV light. - If in doubt that coating is sufficiently cured, cure again with UV light. - SolidLux emits a typical odour.
Tool cleaning	Turpentine
Theoretical coverage	At 100 micrometre wet coat thickness, approx. 6,5 m2/kg (approx. 150 g/m2) Amount in sparingly spreading fire dried sand 0.3-0.8 mm within the 1st coat SolidLux Base Coat 900, 75 - 150 g/m2.
Practical coverage	Depending on application method and structure of surface, 95% of theoretical surface coverage
Coat thickness	100 micrometre
Precautions	Ensure adequate ventilation during application and drying. Use personal protection such as gloves, eye protection, suitable footwear and clothing. To protect the operator from direct exposure to UV light, a facial screen and complete skin protection must be worn during UV curing. More details and information can be found on the website of your supplier of UV equipment.

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SolidLux Top Coat 910 Anti-slip (cont'd)

Instructions for use (cont'd)

Cleaning

A clean floor contributes to a safe workplace, a professional presentation, and a coating's maximum life cycle.
It is advisable to regularly clean a coated floor.
Type of use and impact on floor determine cleaning frequency and cleaning agent to be used.
For tailored advice on the most suitable cleaning agents for your floor we recommend TNWOC (http://tnwoc.com).

Health and environment

BREEAM

The product contains max. 500 g/l VOC (EU limit, cat A/j) This corresponds to the requirements in HEA9

Fire certificate

The SolidLux system has the following classification with regard to its reaction to fire behavior in accordance with the standard EN 13501-1: 2007 + A1: 2009. The related product standard for the floor coating system is EN 13813: 2002.

- Fire behavior class Bfl
- Smoking behavior class s1

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Health and environment (cont'd)

Flashpoint	≥ 100°C
Safety regulations	User is responsible for observing respective national regulations concerning safety, health and the environment. For more information and current data consult the most recent version of the safety information sheet.

Article data

Storage	Store in a cool, frost-free place
Maximum shelf life	12 months (in original, sealed packaging)

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