SolidLux Top Coat 810

Product description

Opaque, solvent-free, semi-gloss finishing coat in the SolidLux line marking system.
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
- Impermeable
- Easy to apply
- Cures independently of temperature

Time is money: a SolidLux line marking 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 and use of business areas, warehouses, 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 line marking system on any mineral surface.
As a coating for mechanically and chemically pressured (industrial) floors in warehouses, production areas, parking garages and workshops.
Usable on existing, undamaged epoxy or polyurethane based coatings.
Strictly to be used in combination with SolidLux Base Coat 800 and UV equipment approved by SolidLux.

Colour and packaging

Available in 2.5 kg containers in the following signal safety colours;
Yellow, red, blue, orange, green, light green, white and black.
Other colours available on request.

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SolidLux Top Coat 810 (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)
Gloss gradation	semi-gloss, approx. 45 G.U. at 60°

Instructions for use

Application	Brush 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).

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SolidLux Top Coat 810 (cont'd)

Instructions for use (cont'd)

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 (short pile, 6 mm). - SolidLux Top Coat 810 can only be applied over a SolidLux Base Coat 800. - Do not apply a thicker coat than instructed (see theoretical coverage). To prevent thick layers. - Apply only 1 finishing coat of SolidLux Top Coat 810. - If necessary, remove any used tape. - 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. - If necessary, after mechanical pre-treatment, apply 2nd coat of SolidLux Top Coat 810. - 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 when using white, approx. 100 g/m2 when using other colours)
Practical coverage	Depending on application method and structure of surface, 95% of theoretical surface coverage
Coat thickness	70 - 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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Health and environment

BREEAM

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

warrington certification

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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