# SolidLux Base Coat 900

## Product description

Solvent-free, opaque basecoat to be finished with SolidLux Top Coat 910 Anti-slip.
Cured by exposure to UV light.

- Minimum disruption to floor users
- Immediately repaintable after curing
- Accessibility and use are disturbed as little as possible
- Solvent-free
- Excellent adhesion to concrete
- Can be applied in very low temperature
- Suitable for anti-slip finish
- 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 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.
Strictly to be used in combination with SolidLux Top Coat 910 Anti-slip and UV equipment approved by SolidLux.

## Colour and packaging

Available in 2.5 and 5 kg containers in the following 9 industrial standard colours;
white, black, SL 7001, SL 7016, SL 7030, SL7035, SL 7037 and SL 7044
Other colours available on request.

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# SolidLux Base Coat 900 (cont'd)

## Product performance and properties

| | |
|---|---|
| Binder | UV curing, acrylate-based synthetic resin |
| Density at 20°C | approx. 1.6 kg/dm³ |
| Viscosity at 20°C | approx. 90 KU |
| Solids | approx. 100 volume % |
| Curing time | Instantly ready for use after curing (exposure to UV light) |
| Adhesion strength | > 4.0 N/mm² (concrete fracture)<br>Complies with EN 1542 norm of 1.5 N/mm² at min.<br>(minimum required tensile strength for concrete surfaces) |

## Instructions for use

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| Application | Brush, wiper and roller |
| Anti-slip | Immediately after applying, sprinkle wet, 1st coat of SolidLux Base Coat 900 sparingly with fire-dried sand, 0.3-0.8 mm (do not spread thickly).<br>Usage 75 - 150 g/m2.<br>After applying the sprinkle and UV curing of the 1st layer SolidLux Base Coat 900, will the amount of the 2nd layer SolidLux Base Coat 900 be more, approx. 250 g/m2. |
| UV curing | Mobile UV curing installation or UV hand-held lamp<br>Distance between the UV lamp and coating should be 35 mm. |
| Speed of curing | max. 5 m1 per minute<br>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.<br>Surface to be treated may contain a maximum of 4% moisture.<br>Avoid direct sunlight (UV). |

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# SolidLux Base Coat 900 (cont'd)

## Instructions for use (cont'd)

| | |
|---|---|
| Attention points | - Avoid exposure to sunlight (UV) by screening off the area.<br>- Prepare surface to assure a clean and solid surface for good adhesion.<br>- Use SolidLux Glue 630 for smooth and/or dense (coated) surfaces for an improved adhesion.<br>- The available time for processing the mixture SolidLux Base Coat 900 with SolidLux Adhesive 600 is 8 hours.<br>After 8 hours the adhesive influence of SolidLux Adhesive 600 expires. Furthermore, can the mixture be processed normally. Re-adding more SolidLux Adhesive 600 to the mixture will not result in improved adhesion.<br>- Mix coating mechanically, before use and after pausing (slow rotation).<br>- Apply with nylon roller (short pile, 6 mm).<br>- Do not apply thicker coat than as instructed (see theoretical coverage). Prevent thick layers.<br>- Directly after application and tight flow cure coating by direct exposure to UV light.<br>- When in doubt that coating is sufficiently cured, cure again with UV light.<br>- After curing, directly apply pre-finishing coat of SolidLux Base Coat 900 or finish with 1 coat of SolidLux Top Coat 910 Anti-slip.<br>- SolidLux emits a typical odour. |
| Tool cleaning | Turpentine. No cleaning is required and can be reused if kept away from UV light |
| Theoretical coverage | At 100 micrometre dry coat thickness, approx. 6.5 m2/kg (approx. 160 g/m2) |
| Practical coverage | Depending on application method and structure of surface, 95% of theoretical coverage |
| Coat thickness | 100 micrometre |
| Precautions | Ensure adequate ventilation when applying and while drying. Use personal protection such as gloves, eye protection, suitable footwear and clothing.<br>To protect the operator from direct exposure to UV light, a facial screen and complete skin protection must be worn during UV curing.<br>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 cool, frost-free place

Maximum shelf life

12 months (in original, sealed packaging)

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