

## 980 LV STANCOFLOOR

<b>Description</b>	Two-component, self-leveling, epoxy coating, for the coating of professional and industrial concrete floors of internal places, VOC free (CE according to EN 13813, category SR-B2,0-AR0,5-IR4). It presents low thixotropy, easy application, great mechanical and chemical strength and satisfactory flexibility. It is suitable for places with low to medium traffic.	
<b>Use</b>	<ul style="list-style-type: none"> <li>• Internal parking areas - Underground parking areas</li> <li>• Loading platforms</li> <li>• Warehouses</li> <li>• Conference rooms</li> <li>• Malls - Department stores</li> <li>• Hotels – Restaurants</li> <li>• Hospitals</li> </ul>	
<b>Characteristics</b>	<ul style="list-style-type: none"> <li>• High mechanical resistance</li> <li>• High chemical resistance</li> <li>• Easy to apply</li> <li>• Suitable for low and medium traffic places.</li> </ul>	
<b>Technical Information</b>	Shade	RAL shades after request
	Gloss	Glossy
	Solids	(A+B) 100% (EN ISO 3251, non volatile)
	Mixing ratio	A:B - 3:1 by weight
	Pot Life	40 min (25°C) (with temperature increasing, the times are shortened)
	Specific Weight	1,40 ± 0,05kg/lit (A+B) (EN ISO 2811)
	Compressive Strength	~42 N/mm <sup>2</sup> (980 LV:QUARTZ SAND (1:1)) (EN 196-1)
	Flexural Strength	~26 N/mm <sup>2</sup> (980 LV:QUARTZ SAND (1:1)) (EN 196-1)
	Bond strength	4,3 N/mm <sup>2</sup> (EN 13892-8)
	Abrasion Resistance	0 µm (zero wear, wear resistance BCA EN13892-4)
	Impact resistance	45 Nm (EN ISO 6272)
	Hardness	71 (15 days D/15) (SHORE D, ISO 868) 84 (60 days)
	Temperature resistance	Up to 80 °C. For permanent contact up to 60 °C
	Absorption of water	0,19 % (DIN EN ISO 62-24hr)
	VOC*	Ready for use maximum: 0 g/lit EU LIMITS(2010):500g/lit SUBCATEGORY: j –two-pack performance coatings, floor coatings for cement floors, Type S
<b>Drying Time (25°C)</b>	Drying	24 hrs (1 mm)
	Walk time	2 ½ days (1 mm)
	Full Drying	6-7 days (1 mm)
	<i>(The above times are indicative and depend on the thinning percentage, relative humidity and temperature)</i>	
<b>Surface Preparation</b>	The surface where the product will be applied on should be: Totally dry and clean, clean from frail pieces, dust, oil, grease etc., protected from underneath moisture. It is suggested to treat the surface with 850 epoxy primer or with 860 solvent free epoxy primer. It is applied, in one layer, with a brush or a roller without thinning. The coated surfaces must not get wet before complete drying is achieved. After priming, any existing imperfections (cracks, holes) should be filled with:	

- EPOXY PUTTY 800 (A+B)
- STANCOFLOOR 950 (A+B), mixed with quartz sand with particle size 0,1-0,4mm in mixing ratio 1:4 by weight.
- EPOXY PRIMER 860, mixed with quartz sand with particle size 0,1-0,4mm and mixing ratio from 1:3 to 1:10 by weight.

The primed surface is ready to be recoated minimum after 12 hr - maximum after 36 hr (hardening 24 hours).

## Mixing

Components A:B-3:1 must be mixed well by weight. The product is ready to use, no solvent is required. If dilution is required, thinner 1131 is added about 5%.

The two components should be mixed for 2-3 minutes using a mechanical stirrer at a low speed. It is important to stir the mixture thoroughly near the sides and bottom of the container, to achieve uniform dispersion of the hardener.

During the mixing, low speed should be used for a short time in order to avoid the risk of developing high temperatures in the mixture, which would lead to reduction of pot life - steep polymerization and destruction of the material. **CAUTION: The mixture should be used within 40 minutes.**

## Application

Depending on the final form of the surface, there are the following types of application:

### Epoxy coating - smooth surface

Brushable coating suitable for floors with high mechanical and chemical strength requirements, in mixing ratio A:B-3:1 by weight.

STANCOFLOOR 980 LV (A+B) is applied, as a brushable coating by roller. If a second layer is necessary, it is advised to apply within 12-36 hr.

Consumption of STANCOFLOOR 980 LV (A+B): 300 g/m<sup>2</sup>/layer (3,57 m<sup>2</sup>/kg/200µm).

### Epoxy coating–slip resistant (antiskid) surface

Brushable coating suitable for floors with high mechanical and chemical strength requirements, in mixing ratio A:B-3:1 by weight.

STANCOFLOOR 980 LV (A+B) is applied, as a brushable coating in one layer, by roller.

Consumption of STANCOFLOOR 980 LV (A+B): 300 g/m<sup>2</sup>/layer. Afterwards, quartz sand with a particle size of 0,1-0,4mm or 0,4-0,8mm, is spread on the still fresh layer depending on the required anti-slipping effect.

Consumption of quartz: 3 kg/m<sup>2</sup>

After hardening, any loose grains should be removed, and if it is necessary a final sealing layer of STANCOFLOOR 980 LV is applied with consumption of 300 g/m<sup>2</sup>/layer.

### Self leveling epoxy flooring

If there is a need to apply a thicker layer (1-2-mm) to cover any imperfections in the substrate, it is recommended to use the STANCOFLOOR 950 self-levelling system. If this is not possible, as a last resort, STANCOFLOOR 980 LV can be used as a self-leveling coating. Quartz sand with a particle size of 0,1-0,4mm is added, under constant stirring, in suggested mixing ratio 1:0,5 by weight, until a homogeneous resin mortar is achieved.

The epoxy mortar is poured on the floor and applied (dragged) in a thickness of 1-2 mm, using a notched trowel.

Consumption of STANCOFLOOR 980 LV (A+B): 0,75 kg/m<sup>2</sup>/1mm

Consumption of quartz sand: 0,75 kg/m<sup>2</sup>/1mm

The above consumptions refer to 980 LV mixing with quartz sand 1:1.

To prevent bubble formation, the surface must be coated with a special spiked roller.

## Remarks

Application temperature	10°C-30°C
Application humidity	<60% relative humidity
Minimum hardening temperature	8 °C

Epoxy layers should be protected from moisture for 6-8 hours after application. Moisture may whiten the surface and/or make it sticky and may affect drying times.

In case that the recoating time is exceeded, the surface should be properly prepared before a new layer is applied, by use of sandpaper or other mechanical means to ensure good adhesion.

**Storage**

For 12 months in a dry and cool place (10°C-30°C)

**Safety**

Please consult the Material Safety Data Sheet. Available upon request.

**For the selection and application of industrial floor systems, our company cooperates with authorized- licensed technical applicators. For more information please, contact us. In the event that material selection and application are not made by these technical applicators, the company assumes no guarantee and responsibility for the final result.**

**This Technical Data Sheet replaces and cancels every previously issued. The information, instructions, recommendations and specifications mentioned in this data sheet, represent the results and experience obtained from testing under controlled or specially adapted conditions. The accuracy and relevance of these results to the actual conditions, in which you apply the product, must be determined and depend only on the purchaser and/or applicator.**