Technical data sheet

PROTECTION MADE EASY

Oxypaint SL Floor

Description and destination of the product

Oxypaint SL Floor is a two-pack solvent free glossy epoxy floor coating for industrial applications. **Oxypaint SL Floor** is a top coat with structured aspect for floors (on top of a suitable primer or old intact epoxy self-levelling application), which is, thanks to the colour dispenser system, available in a lot of colours. Therefore **Oxypaint SL Floor** is used as well for floor paint as for lineation.

Oxypaint SL Floor is characterized by the following properties:

- high abrasion resistance
- very good resistance against softening caused by car tyres
- good chemical resistance (depending on type and duration of chemical load)
- very good water resistance
- solvent free

Type of binder

Bisfenol A epoxy resin in combination with modified cycloaliphatic polyamine.

Colour

Only the RAL colours starting from base A, B and C.

Gloss

Glossy > 80% (Gardner 60°)
Mat 20-30 (Gardner 60°)

Technical data

Density:	1.49 (± 0.05 kg/L (A + B))
Solids content:	100 % in weight 100 % in volume
Mixing ratio:	1/1 in volume 63/37 in weight (1.70/1)

LIBERT PAINTS bv | Langerbruggekaai 6 | 9000 Gent | T: +32 (0)9 216 88 70 | F: +32 (0)9 226 61 81
info@libertpaints.com | www.libertpaints.com

Mixing errors result in deviating properties and differences in gloss. Therefore we advise to mix the complete contents of base paint and hardener.

- **Potlife:** Max 40 min. (at 20°C)
  Remark: the dry layer thickness, applied by layer (with roller) is about 80 to 100 micron
- **Drying times:**

dustdry	:	< 2 hours
tackfree	:	< 10 hours
dry	:	24 hours
passage	:	after 2 days
full resistance	:	after 7 days
repaintable (20°C)	:	min. 24 hours and max 48 hours (without grinding between layers)
repaintable > 25°C	:	always grind between 2 layers

- **VOC:** 0 g/L
- **Theoretical yield:** The yield depends of the roughness and structure of the surfaces and is 7-9 m²/L (80-100 micron dry layer thickness)

  Remark: the dry layer thickness, applied by layer (with roller) is about 80 to 100 micron

The practical yield can largely be influenced by the roughness and porosity of the substrate, the applied layer thickness or the losses by airless application.

Surface preparation

Newly cemented surfaces have to be 4 to 6 weeks old and have to be fully cured. The surface must be dry (maximum 3 % moisture). Cementslam and other impurities have first to be removed by grinding or track blasting. The surface must be free of dust.
Formwork products that contain waxes, oils or silicones, which leave a residue layer, may not be used. All contaminations by acids, salts or other chemicals and all loose particles have to be removed.
Oxypaint SL Floor is always applied a top coat on a suitable primer (***Oxypaint SL Floor Primer, Solfix***) or another polyurethane (with the exception of self-levelling applications) or epoxy (sell-levelling included) coatings.
When applied as renovation coat on old (still intact) epoxy self-levelling applications, the surface must first be cleaned, grinded and dusted before applying **Oxypaint SL Floor**.

Use

Mixing ratio (base/***Hardener for Oxypaint SL Floor***): 1/1 in volume (1.7/1 in weight).

Remark: after mixing base and hardener, the paint must be applied by rolling within 40 minutes (at 20°C)

Base and hardener must be well mixed before usage, preferably mechanically (for a short wile).
Oxypaint SL Floor can be applied by roller (preferably roller used for the application of polyurethane and epoxy coatings).

To obtain a matt version, add 250 gr rough beads (70-80 microns) to the standard product **Oxypaint SL Floor** in the 4L packaging as follows:
- Always mix the base and hardener for **Oxypaint SL Floor** 4L beforehand
- Stir well

LIBERT PAINTS bv | Langerbruggekaai 6 | 9000 Gent | T: +32 (0)9 216 88 70 | F: +32 (0)9 226 61 81
info@libertpaints.com | www.libertpaints.com

- Add 250 gr Rough Beads 70-80 microns
- Stir well again

The material can be cleaned with ***Thinner 60***

Application conditions

Temperature of the surface:

- min. 3°C above dew point and,
- min. 15°C and max 30°c (also during curing the first week !!!!)

Relative humidity: min. 40 % and max. 75 %
Application temperature: min. 15°C and max. 30°C

Remark: the ambient temperature and temperature of the floor during application and during the first days of drying, must be minimum 15°C en preferably between 20-25°C so that a good curing of the coating is obtained. Too low temperatures will lead to an incomplete drying through where the polymerisation of the paint film will be unsufficient which will result in lesser properties (bad mechanical properties, residual tack, blooming, …)

Storage stability

Minimum 6 months in the original, unopened packing, stored in a dry environment at temperatures > +5°C and < +40°C.

Safety measure

For detailed information about safety measures, personal protection and transport data of this product, we refer to the safety data sheet.

The last update of our technical data sheets is always available at our website: ***www.libertpaints.be***

Disclaimer
The information given in this technical data sheet is only a general product description, based on our experiences and tests and therefore does not represent a specific practical case. Consequently Libert Paints doesn't guarantee the functionality or result and takes no responsibility in this respect.
We advise our clients to test the applicability of the product to the nature and the state of the surfaces and to carry out the necessary representative tests in case of doubt. Please contact our R&D department as the occasion arises.
Attention: our clients should verify whether the present technical data sheet hasn't been replaced by a more recent version.

LIBERT PAINTS bv | Langerbruggekaai 6 | 9000 Gent | T: +32 (0)9 216 88 70 | F: +32 (0)9 226 61 81
info@libertpaints.com | www.libertpaints.com