

Europox SLR

Packaging: 25 kg

components:

Component A: 20,8 kg

Component B: 4,2 kg

Properties:

- **Liquid tight**
- **Solvent-free**
- **Very good chemical resistance**
- **Very good mechanical resistance**
- **Viscosity 1 (mPa.s) 2000 - 2500**
- **Shore Hardness 2 > D80**
- **Processing time at 20°C (min) ~ 20**
- **Electrical conductivity insulating**
- **Density 3**
- **(g/cm³) 1.64**
- **Density+ 25% GEBA 3**
- **(g/cm³) 1.73**
- **compressive strength 4**
- **(N/mm²) > 65**
- **Flexural strength 4**
- **(N/mm²) > 35**
- **Bond strength 5**
- **(N/mm²) > 1.5**
- **(concrete failure)**

- **1 = Brookfield, LV3, 30 RPM, @ 23°C**
- **2 = ISO 2811-1, + 23°C/50% R.H**
- **3 = DIN 53505, 14 day / + 23°C / 50% R.H**
- **4 = EN 4624, 14 days / + 23 °C / 50% R.H**

Description:

SLR is a 2-component, solvent-free, pigmented, self-levelling epoxy cast floor with good mechanical properties. Europox SLR is used where a floor with normal to medium heavy loads is needed. Ideal in storage and logistics areas, production areas, workshops, garages, loading docks etc. The SLR has a high-gloss appearance, but if a matt or satin finish is desired can it be painted with Coating PU MG. This cast floor has been used for many years combination with our Quartzline Coating PU MG Matt or Satin Gloss. This excellent combination excels in abrasion resistance, chemical and mechanical resistance. This aliphatic UV resistant topcoat is provided of UV absorbers which prevent the process of yellowing of the SLR slows down significantly.

To be used as:

First layer

Construction layer

Binder for decorative gravel/mortar

Consumption:

Product	Consumption
Europox SLR	1640-4920 g/m ²

Substrate:

Before the product is applied, all dust and loose components must be completely removed from all surfaces, preferably using a broom and/or industrial vacuum cleaner.

The surface must be clean, dry, and free of dirt, oil, grease, and other contaminants.

The substrate must be healthy and sufficiently pressure-resistant (minimum 25 N/mm²), with a minimum adhesion strength of 1.5 N/mm².

Weak concrete and loose cementitious leveling must be removed and surface damage, such as holes and hollow spaces, must be filled with Eurostep Sealer E DO NOT USE POLYESTER-BASED FILLER, NO ADHESION IS OBTAINED TO IT.

If the epoxy layer is more than 48 hours old, always do a stitch test.

Application conditions:

Surface temperature:	Minimum -5°C, maximum +30 °C
Ambient temperature:	Minimum -5°C, maximum +30 °C
Surface moisture content: To be tested with a carbide measurement.	< 4 % moisture
Relative air humidity:	Maximum 80% R.H.
Dew point:	Beware of condensation!

The temperature of the substrate and of the uncured material should be at least 3°C higher than the dew point to reduce the risk of condensation, white discoloration or stickiness (carbamate) on the floor finish.

Pay attention:

- Please check if you have the right A + B component
- Mixing is very important. Use the time strictly because otherwise no chemical reaction will take place.
- When applying the material please wear protective clothing and gloves.

Additional information:

Shelf life / storage:

Up to 12 months after the production date in the original, sealed, unopened and undamaged packaging, stored dry between + 5 °C and 30°C.

Mixing:

Mixing ratio: Component A: Component B = 70 : 32

Add component B completely to component A and mix for 2 minutes until the mixture has changed from cloudy to completely clear.

After this, pour the mixture into a clean bucket and leave the mixture for 10 minutes before reacting. Then mix for another 30 seconds at low revs.

The basket of the mixer should be COMPLETELY below the liquid level during mixing of the 2 components to minimize air impact. Air what you don't bring in doesn't have to come out. Mixing is preferably done with a powerful mixer at low speed, 300 – 400 RPM, with a Eurostep WK 70 mixing basket.

Application:

Casting layer application:

After carefully following the mixing process, apply the material evenly over the substrate with chip or squeegee. Then after about 15 minutes you can start with the metal spike roller. The material has a long open time, so there is enough time to vent the material and improve its surface. The use of the spike roller is mainly intended to tighten the casting layer.

Creating a floor system with a perfectly smooth and shiny surface is quite a challenge:

Take the mixing regulations extremely seriously

Mix with a Collomix WK 70

Make sure you work over a closed surface

Don't start using the spikeroller right away make sure material the material has been applied 15 minutes before.

Even though the floor already seems to be tight, it still needs to be plastered .

Make sure you get everything right with the spike roller

Always use a metal spike roller

Make sure the product is at room temperature before processing

Processing time after mixing time + pre-reaction at 20°	20 minutes
Touch dry at 20°C	5 hours
Walkable at 20°C	2 days
Fully cured at 20°C	7 days

Remarks :

Do not use the Europox SLR on damp surfaces.

After applying Eurostep Europox SLR, the surface must be protected against moisture and condensation for at least 24 hours

Uneven or contaminated floors cannot be treated with a transparent casting layer such as the Europox SLR.

Both the subsoil and the adjacent rooms must always be thoroughly prepared and cleaned before application.

Process mixed material directly because when the end of the processing time is reached, the material becomes very tough and not processable.

An incorrect assessment and treatment of cracks can lead to a reduction in service life and recurrent cracking.

Underfloor heating or high ambient temperature, combined with a high point load, can lead to printing in the resin under certain circumstances.

If heating is required, do not use gas, oil, paraffin, or other fossil fuel burners, these cause large amounts, of both CO₂ and H₂O water vapor, which can adversely affect the finish. For heating use only electrically powered hot air fan systems.

Cleaning / maintenance:

For durable preservation of the floor after finishing, all spilled contaminants should be removed as soon as possible and cleaned regularly using brushes, scrubbing/suction machines, rubber wipers, high-pressure cleaning, etc. using suitable cleaning agents.

Clean the floor with lukewarm water, never use hot water (above 40 °C)

Value base:

All technical data in this product data sheet are based on laboratory tests. Data may change depending on the circumstances.

Remarks:

When applying the material, ensure the correct personal protective equipment is worn. Protection against rain and water is necessary during the processing and curing stages. Ensure adequate ventilation during application..
Incorrect assessment and treatment of cracks can result in recurring crack formation.
Mixed materials should be processed immediately.
If heating is required, do not use gas, oil-paraffin, or other fossil fuel burners as they produce large amounts of CO₂ and water vapor, which can adversely affect the finish.
Use only electrically powered hot air ventilation systems.

Health and safety information

For information and advice on how to safely handle, store and dispose of chemical products, users should refer to the most recent material safety data sheet containing physical, ecological, toxicological and other safety related data.

Legal Notices:

The information, and in particular the recommendations regarding the application and end use of Eurostep Poland products, has been provided in good faith, based on our current knowledge and experience regarding the products. They are valid for products that are properly stored, processed and used under normal conditions in accordance with the recommendations of Eurostep Poland. In practice, the differences in materials, substrates and actual conditions on the construction site are so great that there is no guarantee of merchantability or fitness for a particular purpose, and no liability arising from any legal relationship can be inferred from this information, written recommendations or any other advice offered.

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