

EUROPOX SLR

DESCRIPTION:

Europox 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 it can be finished with Quartzline Coating PU MG Matt or Satin Gloss. This finish differs in resistance, mechanical and chemical resistance. This aliphatic UV topcoat is supplied with UV absorbers that prevent the yellowing process of Europox SLR, which causes the process to slow down.

To be used as:

- First layer
- Construction layer
- Binder for decorative gravel/mortar

CONSUMPTION:

Product	Consumption
Europox SLR	1,6 kg/mm/m ²

SUBSTRATE PREPARATION:

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:

Substrate temperature:	Minimum 5°C, maximum +30 °C
Ambient temperature:	Minimum 5°C, maximum +30 °C
Relative air humidity:	Maximum 80% R.H.
Moisture content substrate: (Test using a carbide measurement).	< 4% moisture
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.

- 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.

PROPERTIES:

Liquid tight
Solvent-free
Very good chemical resistance
Very good mechanical resistance

TECHNICAL PARAMETERS:

Viscosity ¹ [mPa·s]	2000-2500
Density ³ [g/cm ³]	1,64
Density ³ [g/cm ³] GEBA	1,73
Shore Hardness ²	> D80
Electrical conductivity insulating	
Processing time at 20°C [min]	~20
Compression strength ⁴ [N/mm ²]	> 65
Flexural strength ⁴ [N/mm ²]	> 35
Mixing ratio	86 A - 14 B
Bond strength ⁵ [N/mm ²]	> 1,5 (concrete failure)

1 Brookfield, LV3, 30 RPM, 23°C

2 ISO 2811-1, + 23°C/50% R.H

3 DIN 53505, 14 days / +23°C / 50% R.H

4 EN 4624, 14 days / + 23 °C / 50% R.H

PACKAGING:

Component A+B: 25 kg set
Component A: 21,5 kg
Component B: 3,5 kg

FORM:

Component A: Liquid, coloured
Component B: Liquid, transparent, clear to slightly yellow

Almost all **RAL, NCS AND SIKKENS** colours are available. Other colours available on request.

Application at different stages and combining different batch numbers in one project could result in slight colour differences, to avoid this:

Order all materials for your project at the same time.

In direct sunlight discoloration and colour deviation can occur, this will not affect the functionality or performance of the coating.

SHELF LIFE:

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 = 86 : 14

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 two 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 spike roller 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.

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).

LEGAL NOTICE:

This information, and in particular the recommendations related to the application and end use of Eurostep products, is provided in good faith based on our current knowledge and experience of the products. It is valid for products that are correctly stored, treated and applied under normal conditions in accordance with Eurostep's recommendations.

In practice, differences in materials, substrates and actual on-site conditions are such that no warranty in respect of merchantability or of suitability for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered.

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CURING TIME:

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

HEALTH AND SAFETY:

For information and advice on the safe handling, storage and disposal of chemical products, the user should consult the most recent product safety data sheet consult, regarding the physical, ecological, toxicological and other safety-related data.

VALUE BASE:

All technical data stated in this technical data sheet is based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

For more information about the Eurostep products or for technical advice, please contact:

Eurostep Poland Sp. z o.o.
Tymiankowa 37/39
95-054 Ksawerów
Poland

Tel.: +48 609 222 050

www.Eurostep.pl