

RECEPOX COATING SL

Product description

RECEPOX COATING SL is a two-component epoxy resin used as a pigmented self-levelling topcoat. The product is available in selected RAL colors. The coating has a glossy finish and low maintenance. It is a coating material for use in interior building floor constructions.

Application

RECEPOX COATING SL can be used in a variety of flooring systems for a wide range of applications:

- Top-coat for RECEPOX products
- Mainly for interior applications
- Trowel and de-aeration roller application
- Roller application
- Smooth or textured glossy surface

Product benefits

- Amplified amine blush (carbamation) resistance
- High mechanical resistance
- High chemical resistance
- Optimal UV stability
- High overcoating ability
- Easy application
- Good adhesion to most materials
- Optimal processing time/workability
- Low maintenance surface
- Unfilled system – enables scattering or filling with quartz sand

Material properties

Bulk density: ~1300 kg/ m³

Dry matter content by weight: ~ 100 %

Dry matter content by volume: ~ 100%

Hardness D-Shore: 76

Flexural strength: 42,13 MPa
(ČSN EN ISO 178)

Compressive strength: 96,82 MPa
(ČSN EN ISO 604)

Tensile adhesion: > 1,5 N/mm²
(ČSN 74 4505)

UV resistance: dE*ab = 11,37 / 168 h
(ČSN EN ISO 16474)

Taber abrasion resistance: 37 mg
(CS10/1000/1000 g)
(ČSN EN ISO 7784-2)

Consumption***: 0,5 – 2,0 kg/m²

Workability*: 26 min.

Curing time: minimum 24 hours

Dynamic viscosity (A+B)**:
~ 2 000 mPa.s

Application conditions

Ambient air temperature: 15-25 °C

Substrate temperature: 15-25 °C

Substrate moisture content: < 4%

Ambient relative humidity: < 60 %

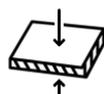
* 200 g sample

** Anton Paar Method, spindle 6, T = 22 °C

*** depends on layer thickness



Trowel application



Thickness
1,5 - 2,5 mm



Consumption
0,5-2 kg/m²



VOC
FREE



Solvent
FREE



Glossy
surface



Fast system

Packaging

RECEPOX COATING SL is supplied in pre-measured containers containing component A (resin) and component B (hardener).

Component A [kg]	23,88
Component B [kg]	6,12
Component A+B [kg]	30,00

The supplied packaging of components A and B ensures the correct mixing ratio for both components. Do not split the components; the units are designed to be mixed completely.

Material properties

All technical data in the product's technical data sheet are based on laboratory tests. Values may vary depending on ambient conditions, which are beyond our control.

Heat resistance

Load*	Dry heat
Permanent	+ 50 °C
Short-time max. 7 days	+ 80 °C
Short-time max. 12 hours	+ 100 °C

*without simultaneous chemical and mechanical loading

Color

RECEPOX COATING SL is available in desired RAL color after curing. The colors of the individual components may slightly vary individually. Component A is liquid of the selected color tone. Component B is a transparent fluid.

Storage conditions

Store components A and B in a dry place at temperatures between 15 °C and 30 °C. Protect from direct sunlight, excessive heat, and frost. When stored in unopened original containers, the product has a shelf life of 2 years from the date of manufacture stated on the label.



Chemical resistance

Acetic acid 45%	not resistant	MIP SMX	long-term resistant
Hydrogen peroxide 27%	long-term resistant *	SAVO Original	long-term resistant*
Formic acid 7,5%	short-term resistant*	Amoniac 15%	long-term resistant
Nitric acid 40%	short-term resistant*	MIP ALU	resistant
Phosphoric acid 55%	long-term resistant*	Aquanta OXI	resistant*
Hydrofluoric acid 18%	long-term resistant*	KMnO₄ 10%	long-term resistant*
Acetone	not resistant	AgNO₃ 10%	long-term resistant*
Ethanol 98%	long-term resistant	Horolith N	long-term resistant
Hydrochloric acid 27%	long-term resistant	Chloran	long-term resistant
Sodium hydroxide 50%	long-term resistant	Topaz AC 5	long-term resistant
Citric acid conc.	long-term resistant	Lactic acid 5%	resistant
Sulfuric acid 20%	long-term resistant	Tartaric acid conc.	long-term resistant

If you need to know the chemical resistance of RECEPOX COATING SL to any not-listed chemical, please consult technical support.

**A colour change might occur*



Substrate preparation

The material should be applied to a surface free of most impurities, such as dust, grease, paint, waxes etc. In case of a dirty or damp substrate, prior priming using RECEPOX PRIMER WO or RECEPOX PRIMER WO TX is highly recommended.

Mixing

RECEPOX COATING SL is supplied in appropriate quantities of component A and component B. These two components are to be mixed in their entirety. If it is necessary to mix a smaller quantity, component A is mixed with component B in a ratio of 3,9:1. In this case Recetex waives any responsibility for potential defects in the material. Before use, component A must be mixed thoroughly to homogeneity. Mixing must be carried out mechanically, using a high-performance slow-speed drill/mixer with a suitable mixing attachment. Mixing must be carried out at a speed of 400-600 rpm for a minimum of 2 minutes. Additional filling of the material with quartz sand is to be carried out after mixing component A and component B, at maximum 20 wt. % on A+B mixture. Quartz sand filling may influence the self-levelling ability.

Application

The material must be applied at 15-25 °C, with an ambient relative humidity of maximum 60 % on a pre-treated surface. The material must be applied as soon as possible after mixing. After a longer period of time, due to the large volume of the material, a rapid increase in viscosity and temperature occurs, which makes it impossible to pour and process the material. Adapt the workflow to the actual conditions at the application site. RECEPOX COATING SL must cure for at least 12 hours before the next layer is applied, however, longer curing time may reduce the adhesion of the next layer. After 7 days the material is fully cured and able to carry the full load.

Recommendation

Apply only in a dry environment at recommended application conditions. Avoid direct skin contact and do not inhale fumes/mist/aerosol/etc. When working with RECEPOX COATING SL always use personal protection equipment specified on the manufacturing label or in the safety data sheet. Avoid leakage of the material into the environment and handle packaging in accordance with environmental regulations.



Notes

- If you have any questions about resistance to a specific chemical, please contact technical support via www.recetex.com
- The safety data sheet is available on request via www.recetex.com
- Technical support is available for telephone consultation regarding specific customer requirements, including telephone application support.

LEGAL ANNEX

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