

# RECEPUR ELASTIC PLUS

## Product description

RECEPUR ELASTIC PLUS is a two-component polyurethane system that serves as a highly elastic coating resin for flooring systems in parking structures. It is a screed material intended for use in interior construction floor systems.

## Application

RECEPUR ELASTIC PLUS is primarily intended as a highly elastic load-bearing layer for flooring systems in parking structures. This layer is subsequently overcoated with less flexible materials.

## Product benefits

- Optimal processing time
- Recoatable
- Permanently and highly elastic
- High elongation
- Dampens vibrations in passages when used in expansion blocks
- Compatible with all RECEPOX and RECEPUR products

## Material properties

Bulk density: ~1 250 kg/m<sup>3</sup>

Dry matter content by weight: ~ 100 %

Dry matter content by volume: ~ 100 %

Hardness Shore-A: 76

Relative elongation: 268 % (ČSN EN ISO 527-1)

Tensile strength: 3,92 MPa (ČSN EN ISO 527-1)

Tensile adhesion: > 1,5 N/mm<sup>2</sup>  
(ČSN 74 4505)

Consumption: 1,2-2 kg/m<sup>2</sup>

Pot-life\*: 25 min.

Curing time: min. 24 hours

Dynamic viscosity (A+B)\*\*: ~ 4240 mPa.s

### Application conditions:

Ambient air temperature: 10-25 °C

Base temperature: 10-25 °C

Moisture content of the base: < 4%

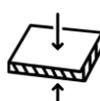
Relative humidity: < 60 %

\*200g sample

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



Trowel application



Thickness 1 - 2 mm



Consumption 1,2-2 kg/m<sup>2</sup>



VOC FREE



Solvent FREE



Glossy surface



Parking structures

## Packaging

RECEPUR ELASTIC PLUS is supplied in pre-measured containers containing component A (resin) and component B (hardener).

	Small set	Large set
Component A [kg]	26,09	200,01
Component B [kg]	3,91	29,99
Component A+B [kg]	30	230

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.

## Color

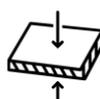
RECEPUR ELASTIC PLUS is available in the GreyWhite shade. Individual components may have a slight undertone. Component A is a transparent liquid. Component B is a GreyWhite-colored liquid.

## Storage conditions

Store components A and B in a dry place at temperatures between 10-30 °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.



Trowel application



Thickness 1 - 2 mm



Consumption 1,2-2 kg/m<sup>2</sup>



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Glossy surface



Parking structures

## Substrate preparation

The material must be applied to a clean, dry substrate, free of all contaminants such as dust, oil, paint, wax, etc. When applying the material into cracks in the substrate, the crack must be free of all contaminants. For application as a self-levelling coating, the substrate must be properly primed with a suitable primer to prevent surface defects caused by air release from the substrate. When priming the substrate with epoxy, the substrate must be broadcasted with quartz sand of a suitable fraction (0.1–0.6 mm) at a consumption of at least 0.5 kg/m<sup>2</sup> immediately after priming.

## Mixing

RECEPUR COATING PLUS 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 6,67:1. In this case Recetex waives any responsibility for potential defects in the material. Before mixing the components together, each component must be thoroughly stirred. 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.

## Application

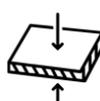
The material must be applied at 10-25 °C, with an ambient relative humidity of maximum 60 % on a pre-treated surface. The material must be applied as soon as possible after mixing. After a longer period of time, due to the large volume of the material, a rapid increase in viscosity and temperature occurs, which makes it impossible to pour and process the material. Adapt the workflow to the actual conditions at the application site. RECEPUR ELASTIC PLUS must cure for at least 24 hours before the next layer is applied and for at least 7 days before full mechanical or chemical loading.

## Recommendation

Apply only under the recommended application conditions. Avoid direct contact with skin and do not inhale vapors. When working with RECEPUR ELASTIC PLUS, always use the personal protective equipment specified on the product label or in the safety data sheet. Prevent the material from entering the environment and handle the packaging in accordance with environmental protection regulations.



Trowel application



Thickness  
1 - 2 mm



Consumption  
1,2-2 kg/m<sup>2</sup>



VOC  
FREE



Solvent  
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Glossy  
surface



Parking  
structures

## Notes

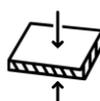
- If you have any questions about resistance to a specific chemical, please contact technical support via [www.recetex.com](http://www.recetex.com)
- The safety data sheet is available on request via [www.recetex.com](http://www.recetex.com)
- Technical support is available for telephone consultation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

## LEGAL ANNEX

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Trowel  
application



Thickness  
1 - 2 mm



Consumption  
1,2-2 kg/m<sup>2</sup>



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