

RECEPOX PRIMER FS

Product description

RECEPOX PRIMER FS is filled, two-component epoxy resin designed for priming dry and clean surfaces. This resin is suitable for direct application on the substrate. It is a priming material intended for use in internal construction floor structures.

Application

RECEPOX PRIMER FS can be used in a variety of flooring systems for a wide range of applications:

- Deep priming ability
- Specifically designed for concrete, cementitious screeds and epoxy polymer-mortar
- Universal use for primer and body layers
- Roller or trowel application

Product benefits

- Economic material
- Allows for both sealing and deep penetration of substrate
- Short curing time
- Effortless application
- Optimal processing time/workability
- Excellent adhesion to most substrates
- Compatible with all RECEPOX series products
- Can be filled with up to 50 w% with fine sands (GEBA etc.)

Material properties

Bulk density: ~1 500 kg/m³

Dry matter content by weight: ~ 100%

Dry matter content by volume: ~ 100%

Hardness D-Shore: 75

Flexural strength: 63,7 MPa
(ČSN EN 196-1)

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

Consumption: 0,2- 0,5 kg/m²

Workability *: 31 min.

HDT after 5 days: 43,0 °C (ČSN EN ISO 75-1)

HDT after 30 days: 49,1 °C (ČSN EN ISO 75-1)

Curing time: minimum 24 hours

Dynamic viscosity (A+B)**: ~ 2000 mPa.s

Application conditions:

Ambient air temperature: 15-25 °C

Substrate temperature: 15-25 °C

Substrate moisture content: < 4%

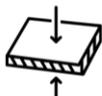
Ambient relative humidity: < 60 %

* 200 g sample

** Anton Paar method, spindle 3, T = 26,7 °C



Roller application



Thickness
0,15 mm



Consumption
0,1-0,5 kg/m²



VOC
FREE



Solvent
FREE

Packaging

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

Component A [kg]	23,48
Component B [kg]	6,52
Component A+B [kg]	30

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

Colour

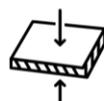
After curing, RECEPOX PRIMER FS glossy and brown. The colours of the individual components may vary individually. Component A is a brown liquid. Component B is a transparent fluid of light brown colour.

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.



Roller application



Thickness
0,15 mm



Consumption
0,1-0,5 kg/m²



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Solvent
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Surface preparation

The material should be applied to a surface free of most impurities, such as dust, grease, paint, waxes etc. The surface must be free of any moisture rising from below (ground water etc.) In case of dirty or damp substrate, it is recommended to use a product designed for this purpose, namely RECEPOX PRIMER WO or RECEPOX PRIMER WO TX.

Mixing

RECEPOX PRIMER FS 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 3,6:1. In this case Recetex waives any responsibility for potential defects in the material. 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 pigmentation is to be carried out during mixing of components A and B. Additional filling with fine sands is to be carried out after the mixing of components A and B.

Application

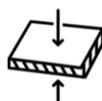
The material must be applied at 15-25 °C, with an ambient relative humidity of maximum 60 % on a pre-treated surface. The material must be applied as soon as possible after mixing. After a longer period of time, due to the large volume of the material, a rapid increase in viscosity and temperature occurs, which makes it impossible to pour and process the material. Adapt the workflow to the actual conditions at the application site. RECEPOX PRIMER FS must cure for at least 24 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, and do not apply on excessively porous substrates. Avoid direct contact of the material with the skin and do not inhale fumes. When working with RECEPOX PRIMER FS always use the safety equipment specified on the manufacturing label or safety data sheet. Avoid leakage of material into the environment and handle packaging in accordance with environmental regulations.



Roller
application



Thickness
0,15 mm



Consumption
0,1-0,5 kg/m²



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Solvent
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Notes

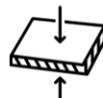
- If you have questions about the material's resistance to a specific chemical, please contact our technical support via www.recetex.com
- The safety data sheet is available on request via www.recetex.com
- Technical support is available for telephone consultation regarding specific customer requirements,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

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Roller
application



Thickness
0,15 mm



Consumption
0,1-0,5 kg/m²



VOC
FREE



Solvent
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