

RECEPOX RS

Product description

RECEPOX RS is a fast curing, two-component epoxy resin designed for use as a primer, local surface repairs or formulation of plastic mortar (structural layer, made from resin and sand). The material is used to increase the load resistance of the flooring system and for possible levelling of surface irregularities in the mixture forming the plastic mortar. However, due to its versatility, it can be used as an interior flooring construction coating.

Application

RECEPOX RS can be used in conjunction with a variety of flooring systems in a wide range of applications:

- Application directly on bedding or into a plastic mortar
- Resin for mortar forming
- Can be used as a primer for pigmented coating materials from RECEPOX series

Product benefits

- Excellent mechanical resistance
- Easy application
- Excellent adhesion to most materials
- Grindable after 2 hours
- Short processing and curing time
- Cures even at low temperatures
- Improved thermal resistance
- Compatible with all RECEPOX series products

Material properties

Bulk density:

Resin: ~ 1 200 kg/m³

Resing with sand*: ~ 2 000 kg/m³

Dry matter content by weight: ~ 100%

Dry matter content by volume: ~ 100%

Hardness D-Shore: 75

Compressive strength *: 54,62 MPa

(ČSN EN 196-1)

Flexural strength *: 15,0 MPa

(ČSN EN 196-1)

Flexural strength (resin): 136 MPa

(ČSN EN 196-1)

Tensile Adhesion: > 1,5 N/mm²

(ČSN 74 4505)

Consumption: depends on application

Workability** : 10 min.

Curing time: minimum of 2 hours

Dynamic viscosity (A+B)***: ~ 800 mPa.s

Application conditions:

Ambient air temperature: 5-25 °C

Substrate temperature: 5-25 °C

Moisture content of the substrate: < 4%

Relative air humidity: < 60 %

* 1:8 ratio of epoxy:sand (0,3-1,2 mm fraction)

** 200 g sample, 22°C

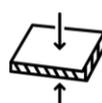
*** Anton Paar method, spindle 3



Roller application



Plastering application



Thickness
0,1 - 5 mm



Fast system



VOC
FREE



Solvent
FREE

Packaging

RECEPOX RS is packed in suitable containers. The packaging contains component A and component B.

Component A [kg]	20
Component B [kg]	10
Component A+B [kg]	30

The proportions of component A and component B are prepared for mixing the whole amount of both components.

Material properties

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

Heat resistance

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

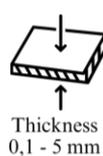
*without simultaneous chemical and mechanical loading

Colour

After curing, RECEPOX RS is clear with slight brown undertone. The colours of the individual components may vary individually. Component A is a transparent liquid. Component B is a transparent liquid of light brown colour. When mixed with sand into a plastic mortar, RECEPOX RS can be further mixed with powder pigments to obtain the desired plastic mortar colour.

Storage conditions

Components A and B must be stored in a dry environment in a temperature range of 10 to 30 °C. Protect from excessive heat or freezing conditions. Shelf life is 2 years from the date of manufacture indicated on the product packaging, in the original, intact packaging, under storage conditions.



Surface preparation

The material should be applied on a clean and dry substrate free of all impurities such as dust, oily substances, paints, waxes, etc. In case of dirty or damp substrate, a prior substrate priming using RECEPOX PRIMER WO or RECEPOX PRIMER WO TX is highly recommended.

Mixing

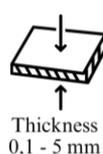
RECEPOX RS is supplied in appropriate quantities of component A and component B. These two components are mixed in the whole amount. If a need to mix a smaller quantity arises, component A is mixed with component B in a ratio of 2:1; Recetex, however, cannot be held responsible for any defects in improperly mixed material. Before the mixing process, it is necessary to stir the component A. 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 minimum of 2 minutes. When mixing plastic mortar, RECEPOX RS is mixed with sand in different proportions according to the customer's preference.

Application

The material must be applied at 5-25 °C, with an ambient relative air humidity of less than 60 % on a pre-prepared surface. The material must be applied as soon as possible after mixing. After a longer time, especially in larger volumes of material, a rapid increase in viscosity and temperature occurs, which makes it difficult to pour or further apply. Adapt the work procedure to the actual conditions at the application site. RECEPOX RS must cure for at least 2 hours before the next layer is applied. After 24 hours, the material is fully matured and able to carry the full load.

Recommendation

Apply only in a dry environment in recommended application conditions. Avoid direct contact of the material with the skin and do not inhale fumes. When working with RECEPOX RS 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 local 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

Information and, for the most part, recommendations on the application and use of Recetex products by end users are provided in good faith based on Recetex's existing knowledge and experience with these products, assuming proper storage, handling and use under normal conditions in accordance with Recetex's recommendations. In practice, no warranty of merchantability or fitness for any particular purpose or any liability arising from any legal relationship can be inferred from this information or from any written advice or other advice given, given the differences in materials, background and actual conditions on the ground. The user of the product must test beforehand whether the product is suitable for the intended use and purpose. Recetex reserves the right to change the characteristics of its products. The property rights of third parties must be respected. All orders are accepted in accordance with the Terms and Conditions of Sale and Delivery as amended. Users are always obliged to consult the latest version of the product data sheet for the product in question, a copy of which will be sent on request.

