

# RECEPOX PRIMER CONDUCTIVE

## Product description

RECEPOX PRIMER CONDUCTIVE is two-component waterborne primer. When combined with RECEPOX COATING TX ASW, a surface resistance of less than 100 k $\Omega$  can be achieved. The product is designed for interior flooring construction.

## Application

RECEPOX PRIMER CONDUCTIVE is designed to be used as:

- Electrically conductive interlayer between substrate penetration and final antistatic topcoat
- Class EX and ESD flooring systems

## Product benefits

- Excellent conductivity without having to use a conductive copper raster
- Short drying time in thin layer
- Long processability in volume
- Effortless application
- Compatible with all RECEPOX series products

## Material properties

Bulk density: ~1 100 kg/m<sup>3</sup>

Dry matter content by weight: ~ 70 %

Dry matter content by volume: ~ 60 %

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

Consumption: 0,1- 0,3 kg on 1 m<sup>2</sup>

Workability\*: 2 hours

Surface resistivity: < 10<sup>3</sup>-10<sup>4</sup>  $\Omega$

Curing time: minimum 12 hours

Dynamic viscosity (A+B)\*\*: ~ 1 120 mPa.s

## Application conditions

Ambient air temperature: 10-25 °C

Substrate temperature: 10-25 °C

Substrate moisture content: < 4%

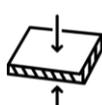
Ambient relative humidity: < 70 %

\* in volume, in thin film, 30 min.

\*\* Anton Paar method, spindle 5, T = 22 °C



Roller application



Thickness  
0,1 mm



Consumption  
0,1-0,3 kg/m<sup>2</sup>



VOC  
FREE



Solvent  
FREE



Matte  
surface



ESD  
environment



EX  
environment

## Packaging

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

Component A [kg]	17,78
Component B [kg]	2,22
Component A+B [kg]	20,00

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.

## Colour

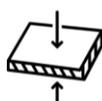
RECEPOX PRIMER CONDUCTIVE is a black coloured coating with a matt finish. The colours of the individual components may vary individually. Component A is a thick, black fluid. Component B is a transparent fluid.

## 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 6 months from the date of manufacture stated on the label.



Roller application



Thickness  
0,1 mm



Consumption  
0,1-0,3 kg/m<sup>2</sup>



VOC  
FREE



Solvent  
FREE



Matte  
surface



ESD  
environment



EX  
environment

## Surface preparation

The material should be applied on an epoxy-primed surface. This surface must be clean, dry and free of any impurities, such as dust, oily substances, paints, waxes, etc. In order to achieve the best possible adhesion to epoxy-primed surface, we recommend to apply RECEPOX PRIMER CONDUCTIVE within 12-24 hours after priming the substrate using any suitable RECEPOX PRIMER series product.

## Mixing

RECEPOX PRIMER CONDUCTIVE 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 8:1. 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.

## Application

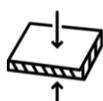
The material must be applied at 10-25 °C, with an ambient relative humidity of maximum 70 % on a pre-treated surface. The material must be applied as soon as possible after mixing. After a longer period of time, due to the large volume of the material, a rapid increase in viscosity and temperature occurs, which makes it impossible to pour and process the material. Adapt the workflow to the actual conditions at the application site. RECEPOX PRIMER CONDUCTIVE must cure for at least 12-24 hours before the next layer is applied, however, longer curing time may reduce the adhesion of the next layer.

## Recommendation

Apply only in a dry environment at recommended application conditions. Avoid direct contact of the material with the skin and do not inhale fumes. When working with RECEPOX PRIMER CONDUCTIVE 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  
0,1 mm



Consumption  
0,1-0,3 kg/m<sup>2</sup>



VOC  
FREE



Solvent  
FREE



Matte  
surface



ESD  
environment



EX  
environment

## Notes

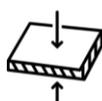
- If you have questions about the material's resistance to a specific chemical, please contact our technical support via [www.recetex.com](http://www.recetex.com)
- The safety data sheet is available on request via [www.recetex.com](http://www.recetex.com)
- Technical support is available for telephone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

## LEGAL ANNEX

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 a 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.



Roller application



Thickness  
0,1 mm



Consumption  
0,1-0,3 kg/m<sup>2</sup>



VOC  
FREE



Solvent  
FREE



Matte  
surface



ESD  
environment



EX  
environment