

RECEPOX COATING TX AS W

Product description

RECEPOX COATING TX AS W is a two-component epoxy resin used as a pigmented topcoat. Available in selected RAL colors. The coating has glossy finish and is low maintenance. It is designed for ESD and EX (antistatic floors). In combination with RECEPOX PRIMER CONDUCTIVE, this system has a surface resistivity of less than 100 kΩ. RECEPOX COATING TX AS W is designed for interior flooring construction.

Application

RECEPOX COATING TX AS W can be used in combination with a variety of flooring systems in a wide range of applications:

- Topcoat for all RECEPOX series products
- Roller application
- Possibility of creating overlaid layered systems
- Thixotropic properties at application
- Finely textured surface

Product benefits

- High conductivity
- Shortened processing and aging time of the product allows application at lower temperatures than standard RECEPOX COATING TX ASW
- High chemical resistance
- High mechanical resistance
- Effortless application
- Good adhesion to most materials
- Increased UV resistance
- Minimal maintenance surface
- Optimal processing time

Material properties

Bulk density: ~1 900 kg/m³

Dry matter content by weight: ~ 100%

Dry matter content by volume: ~ 100%

Hardness D-Shore: 72

Flexural strength: ~ 42,51MPa

(ČSN EN ISO 178)

Tensile adhesion: > 1,5 N/mm²

(ČSN 74 4505)

Consumption: 0,15-0,30 kg on 1 m²

Workability *: 28 min.

Curing time: minimum of 24 hours

HDT after 5 days: 34,25 °C (ČSN EN ISO 75-1)

HDT after 30 days: 40,9 °C (ČSN EN ISO 75-1)

Surface resistivity: <350 MΩ

Dynamic viscosity (A+B)**: ~ 3400 mPa.s

Application conditions:

Ambient air temperature: 15-25 °C

Substrate temperature: 15-25 °C

Substrate residual moisture: < 4%

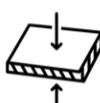
Ambient relative humidity: < 60 %

* 200 g samples

** Anton Paar method, spindle 6, at 22 °C



Roller application



Thickness
0,2 mm



Consumption
0,15-0,30
kg/m²



VOC
FREE



Solvent
FREE



Glossy
surface



Thixotropic



ESD
environment



EX
environment

Packaging

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

Component A [kg]	27,43
Component B [kg]	8,57
Component A+B [kg]	36,00

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.

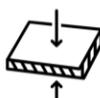
Heat resistance

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



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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 chemical resistance of RECEPOX COATING TX ASW to any not-listed chemical, please consult technical support.

**A colour change might occur*

Color

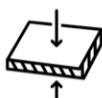
RECEPOX COATING TX AS W is available in selected colors. The colors of the individual components may individually vary. Component A is a liquid of the selected color. Component B is a transparent fluid of yellow color.

Storage conditions

Components A and B must be stored in a dry environment in a temperature range of 15 to 30 °C. Protect from excessive heat or freezing conditions. Shelf life is 1 year from the date of manufacture indicated on the product packaging, in the original, intact packaging, under storage conditions.



Roller application



Thickness 0,2 mm



Consumption 0,15-0,30 kg/m²



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Solvent FREE



Glossy surface



Thixotropic



ESD environment



EX environment

Surface 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. To improve the flooring system conductivity, prior application of RECEPOX PRIMER CONDUCTIVE on clean and dry substrate is recommended.

Mixing

RECEPOX COATING TX AS W 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 3,2:1. 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.

Application

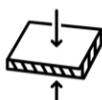
The material must be applied at 15-25 °C, with an ambient relative humidity of maximum 60 % on a pre-treated surface. The material must be applied as soon as possible after mixing. After a longer period of time, due to the large volume of the material, a rapid increase in viscosity and temperature occurs, which makes it impossible to pour and process the material. Adapt the workflow to the actual conditions at the application site. RECEPOX COATING TX AS W must cure for at least 24 hours before the next layer is applied. 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 TX AS W 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.



Roller application



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0,2 mm



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kg/m²



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Solvent
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Glossy
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Thixotropic



ESD
environment



EX
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Notes

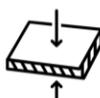
- If you have any questions about resistance to a specific chemical, please contact technical support via www.recetex.com
- The safety data sheet is available on request via www.recetex.com
- Technical support is available for telephone consultation regarding specific customer requirements, including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

LEGAL ANNEX

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Roller application



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