RECEPOX SEALER UV TX

Product description

RECEPOX SEALER UV TX is a two-component epoxy resin used as a transparent topcoat. After application, it has a glossy surface and requires little maintenance. It is a screed material for use in interior building floor construction.

Application

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

- Transparent top-coat for all RECEPOX series products
- Roller-applied
- Can be used for sealing stone carpets
- Thixotropic character
- Finely textured surface

Product benefits

- High mechanical resistance
- High chemical resistance
- Easy application
- Good adhesion to most materials
- Increased UV resistance
- Low maintenance surface
- Optimal processing time

Material properties

Bulk density: ~1 500 kg/m^3
Dry matter content by weight: ~ 100%
Dry matter content by volume: ~ 100%
Hardness D-Shore: 81
Flexural strength: 89,97 MPa (ČSN EN ISO 178)
Tensile adhesion: > 1,5 N/mm^2 (ČSN 74 4505)
Consumption: 0,15-0,30 kg/m^2
Workability*: 25 min.
HDT after 7 days: 41,7 °C (ČSN EN ISO 75-1)
Curing time: minimum of 24 hours
Dynamic viscosity (AB)**: 8800 mPa.s
Application conditions:
Ambient air temperature: 15-25 °C
Substrate temperature: 15-25 °C
Moisture content of the substrate: < 4%
Ambient relative humidity: < 60 %

** 200 g sample*

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

Packaging

RECEPOX SEALER UV TX is packed in suitable containers. The containers content component A and component B.

Component A [kg]	15,74
Component B [kg]	9,26
Component A+B [kg]	25,00

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

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 SEALER UV TX is clear. The colours of the individual components may vary individually. Component A is a clear liquid. Component B is a clear liquid.

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.

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*	**$KMnO_4$ 10%**	Long-term resistant*
Acetone	Not resistant	**$AgNO_3$ 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 SEALER TX to any not-listed chemical, please consult technical support.

**A colour change might occur*

Surface preparation

The material should be applied on a clean and dry substrate be 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 SEALER UV TX is supplied in appropriate quantities of component A and component B. These two components are mixed in their entirety. If a need to mix a smaller quantity arises, component A is mixed with component B in a ratio of 1,7:1; 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.

Application

The material must be applied at 15-25 °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 SEALER UV TX must cure for at least 24 hours before the next layer is applied. After 7 days the material is fully matured and able to carry the full load.

Recommendation

Apply only in a dry environment in recommended application conditions. Allow the material to cure for at least 24 hours before further intervention in the material. The material is fully cured and can be fully mechanically loaded after 7 days. Avoid direct contact of the material with the skin and do not inhale fumes. When working with RECEPOX SEALER UV TX 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

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