

RINOLEP-T710

HIGH-QUALITY TRANSPARENT TOP COAT

RINOL



1 General data

Product description / Application

RINOL EP-T710 is a solvent-free, colourless, ready-to-use, low-viscosity 2-component coating compound made of high-quality, low-yellowing epoxy resin. RINOL EP-T710 is used to produce tough, non-porous, jointless floor covering layers that can withstand heavy foot traffic.

RINOL EP-T710 is used as a transparent coating over the RINOLEXQUISIT decorative base layer. RINOL EP-T710 is also used as a low-yellowing top layer for RINOL**SOLID** and RINOL**SAFETY**. The coating is robust and easy to clean. Examples of applications include supermarkets, breweries or production halls with heavy transport traffic as well as canteen kitchens, slaughterhouses or wet areas in the food industry.

RINOL systems

RINOL EP-T710 is the top coat for the RINOL system:

- RINOL**SAFETY**
- RINOLEX**QUISIT**
- RINOL**SOLID**

2 Installation instructions

Substrate preparation

The substrate must be very clean and free of separating agents. It is essential to check whether the substrate is porous, porous or similar, as this can lead to the formation of bubbles or pores in the coating. This must be checked by the applicator and eliminated if necessary.

When applying the product, ensure that tools and clothing are absolutely clean. RINOL EP-T710 must be applied no later than 24 hours after the previously applied layer.

Ensure that no substances containing silicone or other substances that may interfere with the reaction come into contact with RINOL EP-T710 before and during the curing phase.

Application

When applying RINOL EP-T710, ensure that tools and clothing are kept absolutely clean. Non-linting overshoes should be worn over work shoes to avoid streaking on the underlying layer.

The product is supplied in coordinated quantities in 2-component containers. Before application, the material must always be warmed to at least ambient temperature (room and floor temperature).

The A component must be stirred for at least 1 - 2 minutes. The B component is then completely emptied into the A component and both components are homogeneously mixed for at least 2 - 3 minutes using a suitable electric mixer.

Mix homogeneously for at least 2 - 3 minutes. Avoid stirring in air. The mixture should be decanted and then stirred again briefly.

Technical data		
Liquid mixture (A+B)		
1	Container size (2-component container)	25 kg container
2	Colour	colourless
3	Shelf life / storage	12 months at 5 - 20°C, in any case (also during transport) frost-free, protect from direct sunlight

Technical data		
Liquid mixture (A+B)		
1	Density of binder (20°C)	approx. 1.08 g/cm ³
2	Processing time (20°C)	approx. 20 - 25 Minutes
3	Processing / material and room temperature	15-25°C (min. 3 degrees above the dew point even during installation and curing)
4	Material consumption/working cycle Top coat Sealing Scratch coat (per layer)	approx. 1.000 g/m ² approx. 300 - 600 g/m ² approx. 100 - 300 g/m ²
5	Walkability (20°C)	after approx. 24 hours
6	Subsequent coating (20°C)	within 12 - 24 hours
7	Rel. humidity	< 80% during the entire laying and curing phase

Données techniques		
Matériau durci		
1	Adhesive peel strength (DIN ISO 4624)	> 2,0 N/mm ²
2	Compressive strength (DIN EN 196)	approx. 67 N/mm ²
3	Flexural tensile strength (DIN EN 196)	52 N/mm ²
4	Abrasion resistance (ASTM D 1044 / DIN 53754)	80 mg / 1,000 cycles according to Taber
5	Shore D hardness	80
6	full load capacity mechanical (20°C) chemical (20°C)	after 7 days after 28 days

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RINOLEXQUISIT

RINOL EP-T710 is poured in portions onto the surface to be coated and spread with a notched trowel (notched trowel no. 7, lightly sanded). In order to obtain a uniform layer thickness, the notched trowels must be replaced regularly.

RINOLSAFETY

RINOL EP-T710 is applied by trowel or spread with a rubber squeegee and then rolled on with a short-pile plush roller to create a seal on bedding surfaces. Puddle formation must be avoided.

RINOLSOLID

After curing, the mortar layer must be levelled with RINOL EP-T710. Depending on the porosity of the mortar, this must be done 2 - 3 times. Approx. 0.5 - 1% levelling agent (RINOL X965) can be added during the first application.

Reworking

When reworking up to 24 hours after installation, the mortar surface does not need to be sanded. Subsequent reworking is only possible after careful sanding and extraction of the sanding dust.

Maintenance

To maintain the properties of the synthetic resin floor covering in the long term, we recommend regular maintenance. Please ask for our RINOL care instructions.

Protective measures

For information on handling the product, please refer to the valid safety data sheet and the guidelines of the chemical industry on handling coating materials (M004/M023). Suitable protective clothing and safety goggles must be worn during processing.

Skin contact with liquid resins can lead to health problems and allergies.

Notes

Due care has been taken in compiling the technical data for the company's products. However, all recommendations or suggestions made with regard to the use of these products are made without guarantee, as the conditions under which they are used are beyond the company's control. It is the responsibility of the customer to check whether the products are suitable for the respective application and whether the conditions of use are appropriate for the respective product. No liability claims can therefore be derived from the product data sheet.

We would also like to point out that only the latest version of the data sheet is valid and replaces all older data sheets. The technical data given are approximate values determined by us and do not constitute a guarantee of properties. Misprints, errors, translation errors and changes reserved. Please note that the information in the system data sheets of the different languages / countries may differ. Further information can be found on our website at www.rinol.com

EP resins are generally not colour-stable in the long term under UV and weathering influences. Chemically and mechanically stressed surfaces are subject to wear and tear due to use. Regular maintenance is recommended. Consumption quantities, processing time, walkability and achievement of

load-bearing capacity depend on temperature and object.

The technical data sheet does not exempt the user from carrying out his own tests - if necessary, within the scope of his possibilities - with regard to applicability. Please refer to the RINOL Technical Guide for layer structure options and more detailed information on the installation of RINOL products.

Important note

In addition to the ambient temperature, the floor temperature is of decisive importance.

Chemical reactions are generally delayed at low temperatures. This extends the recoating and walkability times. The higher viscosity of the products also increases material consumption.

At higher temperatures, the chemical reactions are shortened and the recoating and walkability times are reduced.

The material must always be protected from water during application. Furthermore, the material must be protected from direct contact with water for approx. 24 hours (at 20°C) after application. Within this time, exposure to water (e.g. also dew, condensation) can lead to white discolouration (carbamate formation) on the surface or the surface is sticky at these points and this can impair adhesion to subsequent coatings.

Applications that are not clearly mentioned in this technical data sheet may only be carried out after consultation and written confirmation with or by the application technology department of RCR Flooring Products Italia S.r.l..

Always protect against the effects of moisture on the back and from pressure, even during use.

Legal information:

Due to the different materials, substrates and deviating working conditions, no guarantee of a work result or liability can be assumed by RCR Flooring Products for whatever reason and / or legal relationship. In addition, the latest general terms and conditions of RCR Flooring Products Italia S.r.l. apply, which can be requested from us or viewed and printed out at www.rinol.it. We expressly reserve the right to make changes to the product specifications.

CE labelling:

DIN EN 13813 "Screed mortars, screed compounds and screeds - Characteristics and requirements" (Jan. 2003) specifies requirements for screed mortars used for indoor floor constructions.

Synthetic resin coatings and sealers are also covered by this standard. Products that comply with the above standard must be labelled with the CE mark.

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CE

RCR Flooring Products Italia S.r.l.
Via Chiarugi 76/U
I-45100 Rovigo

05¹
EN 13813 SR-B2,0-IR4

1119-CPR-0833
09
EN 1504-2

Synthetic resin screed/coating for interior use in buildings
(structures according to technical data sheets)

Fire behaviour:	BFL-S1
Water permeability:	NPD ²
Wear resistance (Abrasion Resistance):	NPD ²
Tensile bond strength:	B 1,5
Impact resistance	IR 4
Impact sound insulation:	NPD ²
Sound absorption:	NPD ²
Chemical resistance:	NPD ²

- 1) the last two digits of the year in which the CE marking was affixed
-2) NPD = No Performance Determined; characteristic value not specified

CE marking: 1504-2

Floor systems that are subject to mechanical stresses and whose products comply with DIN EN 1504-2 must also fulfil the requirements of DIN EN 13813. DIN EN 1504-2 "Products and systems for the protection and repair of concrete structures - Part 2: Surface protection systems for concrete" specifies the requirements for the surface protection methods "hydrophobic impregnation", "impregnation" and "coating". If required, the corresponding data sheet can be requested.

EU Regulation 2004/42 (Decopaint Directive):

The maximum VOC content permitted in EU Regulation 2004/42 (product category IIA / j type sb) is 500g/l when ready for use (limit 2010). The maximum content of RINOL EP-T710 in ready-to-use condition is <500g/l VOC.

GIS Code: WGK RE 30

Further information on the GIS code is available from Wingis online at <https://www.wingisonline.de>