

RINOL PA-T702

FAST CURING TRANSPARENT COATING

RINOL



1 General data

Product description / Application

RINOL PA-T702 is a solvent-free, colourless, low-viscosity, fast-curing, ready-to-use 2-component coating and binder based on high-quality UV-resistant polyaspartic resin.

RINOL PA-T702 is used to produce hard, non-porous and jointless final sealers. It can also be used as a binder for the production of coloured quartz coverings and rapid repair mortars. Typical areas of application include supermarkets, breweries and production halls subject to heavy traffic loads, as well as industrial kitchens, slaughterhouses and wet areas in the food industry.

2 Laying instructions

Substrate preparation

The substrate must have sufficient load-bearing capacity (compressive strength min. 25 N/mm²). The adhesive pull-off strength must be at least 1.5 N/mm². Compatibility with existing coatings must be checked by the user. Adhesion problems may occur on dense or hard surfaces if the substrate is not prepared accordingly. In such cases, we recommend application on a test area.

The substrate must also be free from oily, greasy or release-agent-containing contaminants, loose particles and similar substances. As a matter of principle, it must be checked whether the substrate is open-pored, porous or similarly absorbent, as this may lead to the formation of bubbles and pores in the coating. This must be checked by the user and remedied if necessary.

During application, it must be ensured that the tools and the coating material are absolutely clean.

Care must be taken to ensure that no silicone-containing or other reaction-interfering substances come into contact with RINOL PA-T702 before and during the curing phase.

Application

The product is supplied in pre-proportioned quantities in 2-component containers. Before processing, the material must be conditioned to at least ambient temperature (room and floor temperature).

Component A must be stirred for at least 1–2 minutes. Then pour the complete contents of component B into component A and mix both components homogeneously for at least 1–2 minutes using a mechanical agitator. Air entrapment during mixing must be avoided. The material should then be decanted into a clean container and stirred briefly again.

Mortar with polyaspartic resin

The mixing ratio of binder to filler may vary between 1:5 and 1:9, depending on temperature and filler. The polyaspartic resin mortar is applied in the usual manner to the RINOL epoxy or polyaspartic primer broadcast with RINOL QS20 or QS15 quartz sand (approx. 1,000 g/m²), then spread and smoothed.

Final sealing:

RINOL PA-T702 is spread in portions using a spatula or rubber squeegee and then rolled immediately with a short-pile roller.

Technical data

Liquid mixture (A+B)

1	Container size (2-component container)	25 kg container
2	Colour	colourless
3	Shelf life / storage	6 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. 1.10 g/cm ³
2	Processing time (20°C)	approx. 20 - 25 minutes
3	Processing / material and room temperature	5–25°C (min. 3 degrees above the dew point even during installation and curing)
4	Material consumption/ working cycle Sealing	approx. 200–600 g/m ²
	Mortar / mm / layer thickness	approx. ratio 1 part resin : 5 - 9 parts filler
5	Walkability (20°C)	after approx. 4 hours
6	Subsequent coating (20°C)	after approx. 4–6 hours
7	Rel. humidity	< 70% during the entire laying and curing phase

Technical data

Cured material

1	Adhesive peel strength (DIN ISO 4624)	> 1,5 N/mm ²
2	Full load-bearing capacity mechanical (20°C) chemical (20°C)	after 7 days after 28 days
3	Compressive strength (DIN EN 196 / ASTM C 109)	> 25 N/mm ²

Reworking

When reworking within 6 hours after installation, additional sanding is not necessary. Subsequent reworking is only possible after careful sanding and vacuum removal of the sanding dust.

Maintenance

To maintain the properties of the synthetic resin flooring in the long term, regular maintenance is recommended. Please refer to the 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

The technical data for the Company's products and systems have been compiled with due care. However, any 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 control of the Company. It is the responsibility of the customer to determine whether the products are suitable for the particular application and whether the conditions of use are appropriate for the particular product. No liability can therefore be derived from the product data sheet.

Please note that only the latest version of the data sheet is valid and replaces all previous versions. 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 datasheets may differ in different languages/countries. For further information please visit our website at www.rinol.com.

Chemically and mechanically stressed surfaces are subject to wear due to use. Regular maintenance is recommended. Consumption quantities, processing time, walkability and achievement of load-bearing capacity depend on temperature and site conditions.

The technical data sheet does not exempt the user from carrying out his own application tests, if necessary, within the limits of his capabilities. Please refer to the RINOL Technical Guide for information on coating 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, chemical reactions proceed more quickly, thereby reducing the recoating and walkability times.

The material must always be protected from water during application. During application, care must be taken to ensure that no drops of sweat or water come into contact with the fresh coating surface, as this may cause foaming. Furthermore, the material must be protected from direct contact with water for approx. 24 hours (at 20°C) after application.

If there is a waiting time of more than 24 hours between the individual work steps, or if surfaces already treated with liquid synthetic resins are to be recoated after a longer period of time, the old surface must be thoroughly cleaned, sanded and vacuumed.

Applications not expressly mentioned in this technical data sheet may only

be carried out after consultation with, and written confirmation from, the application technology department of RCR Flooring Products Italia S.r.l.

The system must always be protected against rear moisture influence and water 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.com. 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.


RCR Flooring Products Italia S.r.l. Via V. Chiarugi 76/U I-45100 Rovigo
05 ¹ EN 13813 SR-B1,5-IR4
1119-CPR-0833 09 EN 1504-2

Synthetic resin screed/coating for indoor use in buildings (structures according to technical data sheets)	
Fire behaviour:	B _{FL} -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

Floors that are exposed to mechanical loads and the associated products -2) NPD = no performance determined; must also fulfil the requirements of DIN EN 13813.

DIN EN 1504-2 "Products and systems for the protection and repair of concrete

RINOLPA-T702

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structures - Part 2: Surface protection systems for concrete" specifies the requirements for surface protection methods "water repellent impregnation", impregnation and coating. The relevant data sheet can be requested on request.

EU Directive 2004/42 (Decopaint Directive):

The maximum VOC content permitted by European Directive 2004/42 (product category IIA/ j type sh) in the ready-to-use stage is 500 g/l (limit 2010). The maximum content of RINOL PA-T702 in the ready-to-use stage is < 100 g/l VOC.

GIS code: PU 40

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