



1 General data

Product description / Application

RINOL PA-T701 is a solvent-free, colourless, low-viscosity, fast-curing, ready-to-use 2-component flexible coating and binder made of high-quality polyaspartic resin, UV-resistant.

RINOL PA-T701 is used for slightly flexible, non-porous, jointless floor coatings that are exposed to light to medium mechanical loads. It is also suitable for outdoor applications.

RINOL PA-T701 can also be used as a binder in the manufacture of pigmented coloured quartz coatings and rapid repair mortars.

2 Laying instructions

Substrate preparation

The substrate must be sufficiently load-bearing (compressive strength min. 25 N/mm²). The adhesive strength must be at least 1.5 N/mm². Compatibility with older coatings must be checked by the user. Adhesion problems may occur with dense or hard surfaces if the substrate is not prepared accordingly. In this case, we recommend application on a test surface. It must also be free of oily, greasy or release agent-containing contaminants, loose particles, etc. In general, check whether the substrate is open-pored, porous, etc., as this could cause bubbles and pores in the coating. This should be checked by the user and rectified if necessary.

When applying the product, ensure that the tools and coating are absolutely clean.

It must be ensured that no silicone-containing or other reaction-interfering substances come into contact with RINOL PA-T701 before and during the curing phase.

Application

The product is supplied in coordinated quantities in 2-component containers. Before processing, the material must always be warmed to at least the ambient temperature (room and floor temperature). The A component must be stirred for at least 1-2 minutes. The complete content of the B component is then poured into the A component. Both components must be mixed homogeneously for at least 2-3 minutes using a mechanical agitator. Avoid stirring in air. The material should be poured into another container and stirred again briefly.

Mortar with polyurethane resin

The mixing ratio of binder/filler can be between 1:5 and 1:9, depending on temperature and filler. The mortar with polyurethane resin is applied in the usual way to the RINOL epoxy primer sprinkled with RINOL QS20 quartz sand (approx. 1,000g/m²), spread and smoothed.

Final sealing:

RINOL PA-T701 is spread in portions with a spatula or rubber scraper and rolled on with a short pile roller.

Technical data		
Liquid mixture (A+B)		
1	Container size (2-component container)	10 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. 15 - 20 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	Praticabilité (20°C)	after approx. 5 hours
6	Revêtement suivant (20°C)	after approx. 3 - 5 hours
7	Humidité relative de l'air	< 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	Compressive strength: mortar (DIN EN 196 / ASTM C 109)	> 25 N/mm ²
3	Full load-bearing capacity mechanical (20°C) chemical (20°C)	after 7 days after 28 days

Reworking

When reworking up to 12 hours after installation, further sanding is not necessary. Subsequent reworking is only possible after careful sanding and vacuuming of the sanding dust.

Maintenance

To maintain the properties of the synthetic resin flooring 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

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 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. During application, care must be taken to ensure that no drops of sweat or water get into the fresh coating surface (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 longer waiting time of >24 hours between the individual work steps or if surfaces already treated with liquid synthetic resins are to be coated again after a longer period of time, the old surface must be cleaned well, sanded thoroughly and vacuumed.

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.

 RCR Flooring Products Italia S.r.l. Via 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:	BFL-S1
Water permeability:	NPD ²
Wear resistance (Abrasion Resistance):	NPD ²
Tensile bond strength (Bond):	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

RINOLPA-T701

TRANSPARENT FLEXIBLE COATING

RINOL

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) when ready for use is 500g/l (limit 2010). The maximum content of RINOL PA-T701 in ready-to-use condition is <500g/l VOC.

GIS Code: PU 40

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