

RINOLPU-S616

UV RESISTANT COLORED POLYURETHANE COATING

RINOL

1 General data

Product description / Application

RINOL PU-S616 is a ready-to-use, slightly elasticised, coloured, low-emission 2-component sealant made of high-quality polyurethane. The LEED v4 certified RINOL PU-S616 has a very low VOC content.

After mixing with the corresponding hardener, Rinol PU-S616 is used to produce sealers and abrasion-resistant thin coatings (0.15-0.3 mm). Rinol PU-S616 has good UV resistance and is particularly suitable for top coats on RINOL floors with rough surfaces.

Rinol PU-S616 is used as a coloured sealer for surfaces subject to medium mechanical stress, e.g. production halls.

RINOL PU-S616 can be used as a top coat for RINOL **PARKING** systems, RINOL **PARKING OS11 a LE**, RINOL **PARKING OS11 b LE** and RINOL **PARKING OS8 LE**

2 Installation instructions

Substrate preparation

The substrate must be clean and free of separating agents. All traces of oil, grease, paint residues, chemicals, algae and cement slurry should be removed. 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.

Before applying RINOL PU-S616, the excess sand from the previous layers (wear layer of RINOL PU-V414, HwO layer of RINOL PU-L314 N, or primer of RINOL EP-P214 / RINOL EP-P216) must be removed.

The RINOL PU-S616 sealer 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 PU-S616 before and during the curing phase.

Application

The product is supplied in co-ordinated quantities in 2-component containers. Before processing, 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 must then be completely emptied into the A component. Both components must be mixed with a suitable electric mixer for at least 2 - 3 minutes. Avoid stirring in air. The mixture should be decanted and then stirred again briefly.

RINOL PU-S616 is applied in portions with a chewing trowel and then rolled with a short-pile plush roller.

Reworking

When reworking up to 24 hours after installation, the surface layer does not need to be sanded separately. Subsequent reworking is only possible after careful sanding and subsequent vacuuming of the sanding dust, as otherwise adhesion problems may occur.



Technical data		
Liquid mixture (A+B)		
1	Container size (2-component container)	25 kg container
2	Colours	RINOL colour chart
3	Shelf life / storage	6 months at 15-20°C, in any case (also during transport) frost-free, protect from direct sunlight

Technical data		
Liquid mixture (A+B)		
1	Density (20°C)	approx. 1.23 g/cm ³
2	Processing time (20°C)	approx. 10 - 15 minutes
3	Processing / material and room temperature	15-25°C (min. 3 degrees above dew point also during laying and curing)
4	Material consumption (depending on substrate)	approx. 250 - 800 g/m ²
5	Walkability (20°C)	after approx. 18 - 24 hours
6	Rel. humidity	< 80% 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

Maintenance

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

Colour shade

Almost all colour shades are possible. Slight colour deviations are unavoidable due to the raw material. Colour deviations may occur permanently with light shades of colour, e.g. in the yellow or orange range, due to filling with quartz sand.

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.



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COMPANY WITH
MANAGEMENT SYSTEM
CERTIFIED BY DNV
ISO 9001 - ISO 14001

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:


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 sealants are also covered by this standard. Products that comply with the above standard must be labelled with the CE mark.

CE labelling:

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 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 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 (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

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.

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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 PU-S616 in ready-to-use condition is <500g/l VOC.

GIS Code: PU 60

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