

RINOL **PU-S616**

1 General Information

Our products are "total solid" in accordance with the test method of Deutsche Bauchemie e.v.

Product Description and Use

RINOL PU-S616 is a coloured, solvent-free, ready-to-use 2-component sealant made from high-quality polyurethane. After mixing with the appropriate hardener, RINOL PU-S616 is used to form sealants and thin abrasion resistant coatings (0.15-0.3 mm). RINOL PU S616 exhibits a good level of UV resistance, particularly for cover coatings of Rinol floors having a coarse surface. Rinol PU S616 is used as a coloured sealant for surfaces which are subject to medium mechanical load, such as production halls and parking levels in multi-storey car parks, particularly in mastic asphalt substructures.

2 Laying Instructions

Substrate Preparation

The substrate must be clean and free from release agents. All traces of oil, grease, colour residues, chemicals, algae and laitance should be removed.

In general it must be checked whether the substrate is open-pore, porous, etc. since in these cases bubbles and pores may be formed in the coating. This should be checked by the fabricator and remedied if necessary.

RINOL PU-S616 is applied as a top coat on PU coatings having a granular surface (RINOL PU C500).

Care should be taken to ensure that no silicone-containing or other materials which could interfere with the reaction come into contact with RINOL PU S616 both before and during the curing phase.

Processing

The product is supplied in 2-component containers in the exact mixing ratio.

Before processing, the material must be heated at least to ambient temperature (room and floor temperature).

The A-component must be stirred briefly. The entire contents of the B-component are then emptied into the A-component. Both components must be mixed homogeneously for at least 2-3 minutes using a suitable electric stirring tool. The inclusion of air in the stirring process must be avoided. The mixture should be poured into a different container and then stirred again briefly.

RINOL PU-S616 is distributed, in portions, over the area of the surface to be sealed using a rubber spreader, although it is spread as thinly as possible, and is immediately rerolled using a foam roller. The formation of puddles during application is to be avoided.

Technical Data

Liquid mixture (A+B)

1. Density (20 °C)	approx. 1.23 g/cm ³
2. Packaged unit size (2-component container)	25 kg
3. Colour	see RINOL colour chart
4. Shelf life/storage	6 months at 5-20°C, always store above freezing and out of direct sunlight (even during transport)

Technical Data

Liquid mixture (A+B)

1. Processing time (20°C)	approx. 10-15 min.
2. Processing/material/room temperature	15-25°C (min. 3 degrees above the dew point, even during laying and curing)
3. Relative humidity	< 75% (during the entire laying and curing phase)
4. Material consumption (depends on the substrate)	approx. 250-800 g/m ²
5. Can be walked on (20 °C)	after 18-24 hours
6. Full load-bearing capacity mechanical (20°C) chemical (20°C)	after 7 days after 28 days

Reworking

When reworking the cover layer within 24 hours after application it need not be ground down further. Any reworking carried out after this is only possible after careful grinding.

Maintenance

In order to preserve the properties of the synthetic resin floor covering in the long term, we recommend regular maintenance. Please ask for a copy of our RINOL maintenance guide for further information.

Manufacturer:

RINOL Italia Research & Technology Srl, via V. Chiarugi 76/U, I-45100 Rovigo Tel +39-0425-411200 Fax +39-0425-411222

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Safety measures

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

Skin contact with liquid resins can be harmful to health and may lead to allergies.

Colour

Some light colours (for example yellow, orange) may have a limited coverage effect. In order to reach the required colour coverage, more than one layer application may be needed.

Note

The specification values given are approximate values ascertained by us and do not constitute guaranteed properties. Consequently, no liability claims may be derived from the product data sheet.

Please also note that only the most recent version of the technical data sheet is valid and replaces all previous data sheets.

Important note

In addition to ambient temperature, floor temperature is of key importance.

As a basic principle the chemical reactions are delayed at low temperatures. The reworking time and the time until the floor can be walked on are thus extended.

Higher viscosities of the products also cause an increase in material consumption.

At higher temperatures the chemical reactions are shortened and the reworking time and the time until the floor can be walked on are reduced.

As a basic principle, protect against the infiltrating action of moisture from the rear face, including during use.

Legal note:

Owing to the different materials, substrates and differing working conditions, no guarantee in terms of result or adhesion for whatever reason and/or legal nature can be assumed by RINOL.

For the rest, the most recent general terms of business of RINOL Italia Research & Technology and RINOL GmbH apply and can be requested from us or viewed, in their most recent version, at www.rinol.de and printed out. We reserve the right to make changes to the product specifications.


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CE marking:

DIN EN 13813 “screed mortars, screed materials and screeds - properties and requirements” (Jan. 2003) specifies requirements of screed mortars which are used for floor constructions in interior spaces. This standard also covers synthetic resin coatings and sealants. Products which conform to the above-mentioned standard are provided with the CE marking.

 RINOL Italia Research & Technology Srl 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 internal use in buildings (superstructures in accordance with techn. data sheets)	
Reaction to fire	NPD ²
Water permeability	NPD ²
Abrasion resistance	NPD ²
Bond	B 1.5
Impact resistance	IR 4
Impact sound insulation	NPD ²
Noise absorption:	NPD ²
Chemical resistance	NPD ²
Hazardous substances	Conformity with EN 1504-2

-1) the last two numbers of the year in which the CE marking was applied

-2) NPD = no performance determined

CE marking: 1504-2

Flooring systems which are subjected to mechanical stresses and products thereof which comply with DIN EN 1504-2 must also satisfy the requirements of DIN EN 13813.

DIN EN 1504-2 “products and systems for the protection and maintenance of concrete structures – part 2: surface protection systems for concrete” specifies the requirements for the surface protection methods “hydrophobing impregnation”, impregnation and coating. The relevant data sheet can be requested as necessary.

European Regulation 2004/42 (Decopaint Directive)

The maximum content of VOC (product category IIA/ j type sb) as permitted by European Regulation 2004/42 is 500g/l (limit 2010) in the ready-to-use state. The maximum content of RINOL PU S616 in the ready-to-use state is < 500 g/l VOC.

GISCODE: PU 50

Further information regarding the GIS code can be obtained from Wingis online at <http://www.wingis-online.de/wingisonline/>

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