

VIASOL PU-S648 AS Technical Data Sheet

Product 02064800 2-comp.-PU sealer, water-based, antistatic, colored, silk mat

1 General Data

Fields of application

VIASOL PU-S642 is used as color stable, silk mat sealer for antistatic coating systems based on EP- or PU-resins also for refreshing and additional surface protection.

Product Description

VIASOL PU-S648 AS is a pigmented, abrasion resistant, hard elastic 2 comp. PU seal coat based on high quality, aliphatic PU resin.

The product contains UV stabilizers and shows good resistant against diluted acids and bases, fuels and lubricants.

VIASOL Systems

VIASOL PU-S648 AS is the seal coat for the VIASOL systems:

VIASOL **UNIFLEX** *conductive*
VIASOL **UNIVERSAL ESD** *(optional)*

Care and maintenance

For a long-term preservation of the properties of resin floors, we recommend a regular cleaning and care programme. For further details see our VIASOL Care and Maintenance Guide. Before first use we recommend to perform a basic cleaning and initial care.

Technical support

For system build up possibilities and detailed information relating to the laying of VIASOL products, please refer to the VIASOL System Planner or contact VIACOR Polymer GmbH directly.

Phone: +49 (0)7472-949990

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(A) Technical Data

Mixture (A+B)

1. Solids content	approx. 50 %
2. Density (20°C)	1.2 g/cm ³
3. Viscosity (20°C)	approx 100-200 mPas
4. Packaging size (2-component container)	10 kg (8 kg A + 2 kg B)
5. Color	VIASOL standard, on request
6. Shelf life (20°C)	12 months in closed original container
7. Storage	Dry at 10 - 25°C, avoid direct sunlight

(B) Technical Data

Ausgehärtetes Material

1. Adhesive strength (DIN EN ISO 4624)	> 2.5 N/mm ²
2. Surface conductivity total conductivity	5 x 10 ⁵ - 5 x 10 ⁶ Ohm depending on system

Manufacturer:

VIACOR Polymer GmbH, Graf-Bentzel-Str.78, D-72108 Rottenburg, Tel: +49/7472-94999-0, info@viacor.de, www.viacor.de

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2 Application Method

Substrate preparation

The substrate must be clean and free of separating agents. VIASOL PU-S648 AS is applied directly on dry VIASOL EP- or PU-top coatings.

The sealer can be applied earliest 24 hours after application of the previous layer.

Application

VIASOL PU-S648 AS is delivered in 2 component containers in the right mixing ratio. The A-component must be stirred for at least 1–2 minutes. Then the entire content of the B-component is emptied into the A-component container and the two components are mixed until homogeneous using a suitable electric stirrer (for at least 2–3 minutes). The inclusion of air in the mixing process is to be avoided. The mixture is poured into another container and briefly stirred again. After mixing the product should have a pre-reaction time of 10 minutes. We recommend the application by equal batch numbers.

VIASOL PU-S648 AS is poured onto the surface and evenly spread in one direction over the entire area with a roller (pile-height about 8 to 11 mm) or by using a rubber squeegee with fine teeth. The formation of puddles should be avoided. Then it is finished with another roller in one direction, we recommend a wide short-piled mohair roller.

For cleaning of tools and other dirt VIASOL SO-X12 cleaner is recommended.

Overcoating

It is not necessary to abrade the surface if the following coat is applied within 24 h. After 24 h, the application can only take place after a careful grinding of the surface.

(C) Technical Data		
Liquid mixture (A+B)		
1.	Mixing ratio A : B	100 : 25 (% by weight)
2.	Material consumption	150 – 180 g/ m ²
3.	Working time (20°C)	approx. 60 min.
4.	Application temperature	10–25°C (min. 3°C above dew-point)
5.	Relative humidity	max 85%
6.	Foot traffic (20°C)	after approx. 24 hours
7.	Following layer (20°C)	within 16–24 hours
8.	Fully capable of withstanding stress mechanical (20°C) chemical (20°C)	after 2 days after 7 days

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3 Further information

CE-Mark



CE-Mark according to EN 13813

EN 13813: 2003-01, Screed material and floor screeds - Screed materials - Properties and requirements is the basis for requirements for floor screeds used in indoor flooring constructions. Resin coatings and sealer are also subject to this norm.

Details see CE-conformity mark and conformity declaration.

Decopaint-Guidelines (EU 2004/42/EG)

The maximum allowable VOC content for Product Category IIA j Type wb products (in the ready to use state) is:

Stage II (from 2010) < 140 g/l VOC

In the ready to use state, this product contains less than 140 g/l VOC.

Warnings and precautions

Information relating to the safe handling of this product can be found in the Material Safety Data Sheet. Local regulations concerning the safe handling of epoxy resin based coating materials must be observed.

Suitable protective clothing including suitable eye protection must be worn.

Disclaimer

All information in this technical data sheet is based on our current knowledge and experience. This does not release the applicator from performing their own tests as many application factors, beyond our control, affect the application of our product. No guarantee of characteristics or suitability for a special purpose can be derived from this information. All present data, descriptions, drawings, photos, ratios, weights etc. are subject to change without prior notice and do not represent contracted characteristics of the product.

Due to different materials, sub-bases and working conditions, no guarantee of an application result or any liability claims can be derived from these details or from an unwritten technical advice except for liability claims based on:

- damage to life, body or health resulting from a negligent violation of obligations or a deliberate or negligent violation of obligation of a legal representative or assistant and
- if we are charged with intention or gross negligence.

The user has to test the products for their intended use. The user is responsible for following existing laws and orders and for observing third party trade mark rights.

As all VIACOR data sheets are updated on a regular basis it is the users responsibility to obtain the most recent issue (see www.viacor.de or contact us directly).

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