VIASOL PU-S650 AS **Technical Data Sheet**

Product 02065040 2 comp. PU sealer, colour stable, conductive, solvent-based, coloured

1 General Data

Fields of application

VIASOL PU-S650 AS is used as solvent containing, colour stable, glossy and conductive sealer for hard and hard elastic coating systems particularly for waterproofing systems and industrial floors in outdoor areas based on PU-resins.

Product Description

VIASOL PU-S650 AS is a pigmented, conductive, abrasion resistant, hard elastic 2 comp. PU seal coat based on high quality, aliphatic PU resin.
The product is colour stable and weather resistant and shows good resistance to diluted acids and bases, lubricants and fuels.
VIASOL PU-S650 AS is easy to clean.

VIASOL System

VIASOL PU-S650 AS is a sealer for the VIASOL system:
VIASEAL***HYBRID second containment***
VIASEAL***UREA second containment***

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
E-Mail: info@viacor.de

(A) Technical Data

Mixture (A+B)

1.	Solids content	> 70 %
2.	Density (20°C)	ca. 1,4 g/cm³
3.	Viscosity (20°C)	ca. 1400 - 1800 mPas
4.	Packaging size (2-component container)	22 kg (18 kg A + 4 kg B)
5.	Colour	VIASOL standard, silk glossy
6.	Shelf life (20°C)	12 months in closed original container
7.	Storage	Dry at 10 - 25°C, avoid direct sunlight

(B) Technical data

Cured material

1.	Adhesive strength (DIN EN ISO 4624)	> 1.5 N/mm² (substrate failure)
2.	Resistance to earth (DIN EN 1081)	< 10^6 Ω
3.	Tensile strength (DIN En 196/ASTM C109)	> 8 N/mm²
4.	Elongation at break (DIN 53504)	> 50%

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 dust and loose particles. All traces of contaminants such as oils, fats, greases, paint residues, chemicals, algae and laitance should be removed.
VIASOL PU-S650 AS is applied on top of VIASOL EP-E480. The antistatic seal coat VIASOL PU S650 AS should be applied earliest 12 hours after application of the diluted conductive layer (otherwise danger of foam and bubble formation) but not later than 24 hours after application of the previous coat.

Application

VIASOL PU-S650 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. We recommend the application by equal batch numbers.
VIASOL PU-S650 AS is poured onto the surface in portions and applied over the entire area with a kaub-spatula or rubber squeegee and rolled afterwards with a short-pile roller in one direction to avoid roller marks. The consumption must be controlled to achieve the desired conductivity.

For cleaning of tools and other dirt VIASOL SO-X10 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.

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(C) Technical Data		
Liquid mixture (A+B)		
1.	Mixing ratio A : B	100 : 22 (% by weight)
2.	Material consumption	300 – 600 g/ m^2
3.	Working time (20°C)	approx. 30 min.
4.	Application temperature	10–30°C (min. 3°C above dew-point)
5.	Relative humidity	max . 85%
6.	Foot traffic (20°C)	after approx. 16 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 Lb products (in the ready to use state) is:
Stage II (from 2010) < 500 g/l VOC
In the ready to use state, this product contains less than 500 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 characeristics 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 characteritics of the product.
Due to different materials, sub-bases and working conditions, no guaratee 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 vialation 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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