

Product 02030030 2-comp. PU wear layer for VIASOLDECK 11a plus, grey

1 General Data

Fields of application

VIASOL PU-L300 V is used as wear coat for substrates with cracks or where cracks may occur. Typical uses are areas with high traffic in a variety of waterproofing systems including park decks or industrial floorings.

Product description

VIASOL PU-L300 V is a solvent-free, ready-to-use two component polyurethane coating material. VIASOL PU-L300 V with its excellent abrasion resistance is especially used for wear coatings in VIASOL park deck systems.

VIASOL systems

VIASOL PU-L300 V is the wear coat for VIASOLDECK 11a plus systems

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.

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(A) Technical Data Sheet

Mixture (A+B)

1. Solids content	99 %
2. Density (20°C)	1.41 g/cm ³
3. Viscosity (20°C)	2000 - 3000 mPas
4. Packaging size (2-component container)	25 kg (20,2 kg A + 4,8 kg B)
5. Colour	grey
6. Shelf life	6 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)	> 2.0 N/mm ² (concrete failure)
2. Hardness Shore-D- (DIN EN ISO 868)	60 - 65
3. Elongation at break (DIN 53504)	approx. 30 %
4. Tensile strength (DIN EN 196/ASTM C109)	approx. 15 N/mm ²

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

VIASOL PU-L300 V is applied directly on the waterproofing layer (VIASOL PU-L300 M). The substrate must be clean and free of dust and loose particles. The crack-bridging layer should be applied no later than 24 h after the previous layer has been laid. In case of longer breaks before overcoating, please contact our technical support.

Application

The product is delivered in ready-to-use 2-component containers in the exact mixing ratio. The A-component must be stirred for at least 2–3 minutes. Then the entire content of the A-component is emptied into the B-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.

Then approx. 10 - 20 % of quartz sand VIAOSL QS 0.1-0.4 is added.

VIASOL PU-L300 V is poured onto the surface and spread over the entire area using a serrated spatula (tooth size no. 25 or 48) (layer thickness control). To achieve uniform layer thicknesses, the tooth rows of the spatula must be regularly replaced.

Then quartz sand is broadcasted in excess on top of the liquid material. Depending on the desired roughness (anti-skid properties), VIASOL QS 0.3-0.8 or VIASOL QS 0.7-1.2 is used.

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 36 h. For application after 36 h please contact our technical support.

If the coating has contact with humidity (rain or dew) the whole area must be dried thoroughly and primed with VIASOL PU-P255 to achieve good adhesion before overcoating.

(C) Technical Data

Liquid mixture (A+B)

1.	Mixing ratio A : B	100: 24 by weight
2.	Working time	at 12°C approx. 40 min. at 20°C approx. 30 min. at 30°C approx. 15 min.
3.	Application temperature	10–30°C (min. 3K above dew-point)
4.	Permissible rel. humidity	min. 30 – max. 80%
5.	Material consumption incl. quartz sand (10-20%)	approx. 1.6 kg/m ² approx. 1.7 – 2.0 kg/m ²
6.	Foot traffic (20°C)	after 12 – 24 hours
7.	Consecutive layer (20°C)	within 18 – 36 hours
8.	Fully capable of withstanding stress mechanical (20°C) chemical (20°C)	after 7 days after 28 days

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3 Further information

CE-Mark



CE-Mark according to EN 1504-2

Details see CE-conformity mark and conformity declaration.

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 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 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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