

**Product 02021500 2-comp. PU primer, fast and low temperature curing, unfilled**

## 1 General Data

### Fields of application

VIASOL PU-P215 can be used as primer on concrete and cementitious screeds, also on asphalt screeds. In individual cases it can be used on wood substrates for VIASOL polyurethane coating systems. The product is also suited for low temperatures because of its fast curing properties and can also be used without sand sprinkling by low and medium mechanical load below the following PU coatings.

### Product description

VIASOL PU-P215 is a colorless, ready to use, low viscosity, solvent-free and low emission 2-component primer based on a high reactive polyurethane resin.

### VIASOL Systems

VIASOL PU-P215 is the primer for the VIASOL system:  
**VIASOL *DECK rapid***

### 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](mailto:info@viacor.de)

#### (A) Technical Data

##### *Liquid mixture ( A+B)*

1. Solid content	approx. 99,5 %
2. Density (20°C)	approx. 1.1 g/cm <sup>3</sup>
3. Viscosity (20°C)	500 - 1000 mPas
4. Packaging size (2-component container)	13 kg (8.0 kg A + 5.0 kg B) 26 kg (16 kg A + 10 kg B)
5. Shelf life (20 °C)	12 months in closed original container
6. Storage	Dry at 10 – 25°C, avoid direct sunlight

#### (B) Technical Data

##### *Cured material*

1. Adhesive strength (DIN EN ISO 4624)	> 1.5 N/mm <sup>2</sup>
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### Manufacturer:

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

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## 2 Application methods

Please refer also to our general application guideline.

### Substrate preparation

The substrate must be prepared by vacuum shot blasting. Rough contaminations can be removed by grinding. VIASOL PU-P215 can be applied directly to the surface if the substrate moisture content does not exceed 4 CM % and the surface is absorbent and free from puddles. There should be no water in the pores. If the substrate moisture is higher, VIASOL EP-P210 should be used instead.

The surface must have an adhesive strength of minimum 1.5 N/mm<sup>2</sup>. All traces of contaminants such as oils, fats, greases, paint residues, chemicals, algae and laitance should be removed. Asphalt screeds must be prepared by shot blasting or grinding, minimum 60 % of the supporting grain in the screed must be exposed on the surface. Cracks and hollow spots must be properly remedied. Before retopping old coatings, please contact our technical support.

### Application

The product is delivered in 2 component containers in the exact mixing ratio. The entire content of the B-component container is emptied into the A-component container. After mixing with a suitable electrical stirrer for approx. 3–4 minutes the mixture is poured into another container and stirred again briefly. The inclusion of air in the stirring process is to be avoided.

The primer is poured on the substrate and distributed using a spatula or rubber squeegee. It should be particularly ensured that a film-forming, closed surface is produced. To cover vertical surfaces, add 1–3 % VIASOL X955 floating agent.

To improve inter-layer adhesion the wet primer can be sprinkled slightly with silica sand VIASOL QS 0.3-0.8 over the entire area (consumption approx. 800 g/m<sup>2</sup>).

For cleaning of tools and other contaminations VIASOL SO-X12 tool cleaner is used.

### Over coating

Generally VIASOL PU-P215 can be revised with a subsequent PU coating within 24 hours (at 20 °C) without quartz sand strewing. When the re-coating interval will be exceeded or in mechanically middle up to heavy loaded areas the primer must be strewed with quartz sand. Before applying the next layer, not embedded quartz sand must be removed. As quartz sand the grain size 0.3-0.8 mm with a consumption of about 0.600 - 1.000 kg / m<sup>2</sup> is recommended.

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### (C) Technical Data

#### Liquid mixture (A+B)

1.	Mixing ratio A : B	100 : 63 by weight
2.	Working time (20°C)	approx. 15 Minutes
3.	Application temperature	5 - 30°C (min. 3K above dew-point)
4.	Material consumption	300–800 g/ m <sup>2</sup>
5.	Foot traffic (15 °C)	ca. 4 hours
6.	Consecutive layer (20°C)	within 4–24 Std.
7.	Fully capable of withstanding stress mechanical (20°C) chemical (20°C)	after 2 days after 5 days

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### 3 Further information

#### CE-Mark



##### CE-Mark according to EN 1504-2

Details see CE-conformity mark and declaration of performance.

##### 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 declaration of performance.

#### 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](http://www.viacor.de) or contact us directly).

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