

**Product 1020-KAL** 2-comp. polyurea waterproofing layer for VIASOL **DECK rapid M**, grey

## 1 General Data

### Fields of application

VIASOL PU-L2000 is used as waterproofing layer for VIASOL **DECK rapid M** systems according to OS10 regulations. Typical usage are areas with high traffic in a variety of waterproofing systems including park decks or industrial floorings.

### Product description

VIASOL PU-L2000 is a highly elastic, solvent-free, ready-to-use coating compound based on 2-component polyurethane. The product is free of plasticizers and has a high elasticity as well as high hardness. The product consists of renewable raw materials and is therefore a sustainable product and of high value for environmental protection compared to conventional PU quantities. Due to the resolution-resilient elastic properties, VIASOL PU-L2000 will surely pay for bridging cracks in the VIASOL parking deck coating systems.

### VIASOL systems

VIASOL PU-L2000 is the elastic or crack-bridging layer for

VIASOL **DECK rapid M** systems

used according to DIN EN 1504-2 for the protection and repair of concrete structures.

### 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

<b>Mixture (A+B)</b>	
1. Solids content	>99 %
2. Density (20°C)	1.42 g/cm <sup>3</sup>
3. Viscosity (20°C)	4000 - 5000 mPas
4. Packaging size (2-component container)	25 kg (21 kg A + 4 kg B)
5. Colour	Grey
6. Shelf life	12 months in closed original container
7. Storage	Dry at 10–25°C, avoid direct sunlight
8. Foot traffic	after 8 hours

#### (B) Technical Data

<b>Cured material</b>	
1. Adhesive strength (DIN EN ISO 4624)	> 2.0 N/mm <sup>2</sup> (concrete failure)
2. Hardness Shore-A- (DIN EN ISO 868)	85
3. Elongation at break (DIN 53504)	>330 %
4. Tensile strength (DIN EN 196/ASTM C109)	> 10 N/mm <sup>2</sup>

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## 2 Application Method

### Substrate Preparation

VIASOL PU-L2000 is applied to the primed surface (e.g. VIASOL EP-T703 or EP-T703 S). The surface must be clean and free of release agents. The crack-bridging layer should be installed 24 hours after priming at the latest. Subsequent revision of the primer is only possible after consultation with our technical support.

### Application

The product is supplied in coordinated quantities in two-component containers. The A component should be stirred for approx. 1 minute. Then the B component is completely emptied into the A component. Both components must be mixed homogeneously with a suitable electric stirrer for at least 2-3 minutes. Avoid stirring in air. The mixture should be repotted and then stirred again briefly.

When used as 1st waterproofing layer for

#### VIASOL **DECK rapid M**

no quartz sand is added.

VIASOL PU-L2000 is poured in portions onto the surface to be coated and applied with a toothed trowel across the entire area in the desired layer thickness. To achieve a uniform layer thickness, the toothed strips must be replaced regularly.

VIASOL SO-X14 tool cleaner is used to clean tools and other dirt.

### 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-P2250 to achieve good adhesion before overcoating.

(C) Technical Data	
<b>Liquid mixture (A+B)</b>	
1. Mixing ratio A : B	100 : 19 (% weight)
2. Working time at 20°C	approx. 20 min.
3. Application temperature	10–30°C (min. 3K above dew-point)
4. Permissible rel. humidity	min. 30% – max. 80%
5. Material consumption VIASOL <b>DECK rapid M</b>	2.8 – 3.2 kg/m <sup>2</sup>
6. Consecutive layer (20°C)	within 18–36 hours

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## Further information

### CE-Mark



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

For 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).