

**Product 02460050**      2-comp. PU sealer, UV stable, tough hard, transparent, low emission, matt water based

## 1 General Data

### Fields of application

VIASOL PU-S6005<sup>VM</sup> is used as UV stable, transparent, matt sealer for tough hard and hard systems with little or medium use. Sensitive surfaces will get an extra film for protection and for an easier cleaning of the floor.

### Product description

VIASOL PU-S6005<sup>VM</sup> is a water-based, transparent, wear resistant, two component PU sealer based on high quality aliphatic PU resin with low emissions. The product is UV stable and weather resistant and shows good chemical resistance against diluted acids and alkalis and many disinfectants. Depending on the substance in contact with the flooring (please note that wine or coffee etc. are also relevant) discolorations may occur, which will not reduce the usability of the flooring (please refer to the chemical resistance list). Depending on the application method VIASOL PU-S6005<sup>VM</sup> can have a light structure, without influence on the final properties. In case of doubt, make a test area for better judgement.

### VIASOL systems

VIASOL PU-S6005<sup>VM</sup> is used as a top coat for VIASOL PU- or EP-systems, in example:

VIASOL**PERM**  
VIASOL**UNIVERSAL**

### Features & Benefits

- matt
- tough hard
- high UV-stability
- good abrasion resistance
- easy to clean
- water borne
- low odour and low emission

### 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 to make cleaning easier.

#### (A) Technical data

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

1. Density (25°C)	1.07 g/cm <sup>3</sup>
2. Viscosity (25°C)	700–1000 mPas
3. Packaging size	12 kg (10 kg A + 2 kg B)
4. Colors	transparent, matt
5. Shelf life	6 months in closed original container
6. Storage	Dry at 10–30°C, avoid direct sunlight

#### (B) Technical data

##### *Cured material*

1. Adhesive strength (DIN ISO 4624)	> 1.5 N/mm <sup>2</sup> (concrete failure)
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### 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 Asia Sdn Bhd directly.

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e-mail: [info@viacor.asia](mailto:info@viacor.asia)

#### Manufacturer:

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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. The sealer is applied on hard-elastic and hard VIASOL EP- or PU- coating systems. The sealer should be applied within the recoating interval of the previous layer.

### Application

VIASOL PU-S6005<sup>VM</sup> is delivered in 2 component containers in the right mixing ratio. The A-component must be stirred for at least 1–2 minutes. While maintaining the stirring process the entire content of the B-component is emptied into the A-component container and the two components are mixed until homogeneous by using a suitable electric stirrer (for at least 2 – 3 minutes). Then the mixed material should be re-potted about a paint strainer. Mix again briefly after re-potting the material. The incorporation of too much air should to be avoided. VIASOL PU-S6005<sup>VM</sup> is poured onto the surface. Then it is spread with a wide short-piled micro-fiber roller (e.g. Multitool pile-height about 6 - 8 mm) and homogeneously finished with a second roller in one direction. The formation of puddles should be avoided. As with all water based sealers, it is important to avoid dry edges by always working wet in wet when rolling fresh material into applied wet sealer otherwise roller marks will be visible in the final finish. Time between the overlapping should not exceed 2 – 5 minutes. Open time for rolling fresh material into the applied wet sealer without leaving any marks is (at room temperature) 3 - 5 minutes. During application drafts and direct sunlight should be avoided.

### (C) Technical data

#### Liquid mixture (A+B)

1. Mixing ratio A : B	100 : 20 by weight (kg)
2. Working time (25°C)	approx. 20 minutes
3. Application temperature:	15 – 30°C (min. 3°C above dew point)
4. Material consumption	120 - 140 g/m <sup>2</sup>
5. Cure time to withstand:	
Foot traffic (25 °C)	after 18 - 24 hours
Heavy Traffic (25°C)	after 3 days
Exposure to chemicals (25°C)	after 7days

### Overcoating

Please ask our technical support.

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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.

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

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