

Product 02465010 2-comp. PU top coat, colored, gloss, water based for VIASOL**DECK** systems

## 1 General Data

### Fields of application

VIASOL PU-S6501P<sup>VM</sup> is recommend for use as a top coat for areas where color stability is crucial.

It is usually used over an epoxy or polyurethane system in areas subject to foot and vehicular traffic such as walkways, workshops, production facilities, warehouses, car parks, garages and plant rooms.

### Product description

VIASOL PU-S6501P<sup>VM</sup> is a colored, water-based two-component polyurethane sealer with a gloss finish.

It has good abrasion resistance, good resistance to oil and most solvents as well as many other chemicals.

### VIASOL systems

VIASOL PU-S6501P<sup>VM</sup> is used as a top coat for VIASOL PU- or EP-systems and VIASOL**DECK** Systems.

### Features & Benefits

**Chemical resistant** – to petroleum oils, solvents, acids & alkalis

**Wear resistant** – hard wearing even in harsh and punishing environment

**Aesthetic flexibility** – available in a variety of colors

**UV stable** – color stable, no yellowing

### Care and maintenance

The lifespan and performance of your resin floor can be extended considerably by adopting a regular cleaning and care programme. We recommend the use of an alkaline based cleaning agent.

#### (A) Technical data

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

1. Solids content	56 %
2. Density (25°C)	1.19 g/cm <sup>3</sup>
3. Viscosity (25°C)	800-1000 mPas
4. Packaging size	13.7 kg (11 kg A + 2.7 kg B)
5. Colors	VIASOL standard, gloss
6. Shelf life	9 months in closed original container
7. 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)
2. Abrasion resistance 1000 cycles (DIN EN ISO 5470-1)	< 50 mg

### 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 firm, clean, dry, free of loose particles and have a pull-off strength of 1.5 N/mm<sup>2</sup> minimum.

VIASOL PU-S6501P<sup>VM</sup> can be applied directly over an existing EP or PU underlay / topping, if the underlay / topping is newly laid (within 12 – 24 hrs) otherwise a light grinding is necessary.

### Application

Before starting the application, the material temperature must be close to site conditions. The relative humidity should not exceed 80%.

VIASOL PU-S6501P<sup>VM</sup> is delivered in 2 component containers in the right mixing ratio. The Component A must be stirred for at least 1–2 minutes. While maintaining the stirring process the entire content of the Component B is emptied into the Component A 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. Avoid incorporating excessive air into the mixture.

Pour the mixed product onto the surface and spread with a wide short-piled micro-fiber roller (e.g. Multitool pile-height about 6 - 8 mm) and finish homogeneously 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.

The relative humidity during processing and during the curing time should not exceed 80% in order to ensure a sufficiently fast evaporation of the water. It is important to ensure that connections between two pouring steps of material do not dry up as they will otherwise be visible.

When processing water based coating systems, ensure sufficient air exchange. However, draft of air should be avoid. Different material consumption, too high air humidity and low temperatures can lead to visual impairments (gloss level differences).

### (C) Technical data

#### Liquid mixture (A+B)

1. Mixing ratio A : B	100 : 24.5 by weight (kg)
2. Working time (25°C)	approx. 20-25 minutes
3. Application temperature	10 – 30°C (min. 3°C above dew point)
4. Material consumption	100 – 120 g/m <sup>2</sup>
5. Following coating (25°C)	within 24 hours
6. Cure time to withstand:	
Foot traffic (25°C)	after 16 – 24 hours
Heavy Traffic (25°C)	after 3 days
Exposure to chemicals (25°C)	after 7 days

Direct sunlight, high temperatures and low humidity cause rapid curing and should be avoided as otherwise it may lead to skin formation, approaches or visible rake marks).

Apply VIASOL PU-S6501P<sup>VM</sup> a second time if coverage is insufficient.

For cleaning of tools and other contaminations use water.

### Overcoating

The second coat can be applied within 24 hrs without grinding. If longer, the surface has to be grinded before over-coating.

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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.asia](http://www.viacor.asia)).

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