

Product 02052500 2-comp. PU top coating, soft elastic, low emission, coloured

1 General Data

Fields of application

VIASOL PU-C525 is used indoors for soft elastic, sound absorbing surfaces as self-levelling coating. Typical uses for this high-quality product are residential homes for the elderly, kindergartens, schools, clinics, social rooms, offices and in general industrial floorings with low mechanical stress.

Product description

VIASOL PU-C525 is a pigmented, low emission and solvent free, soft elastic two-component PU self-levelling coating.

VIASOL PU-C525 has outstanding mechanical properties and is permanently elastic. It fulfils the requirements of German AgBB, the standard for low emission in construction products.

In general, aromatic polyurethane resins are not colour stable if exposed to UV light or under influence of weathering. We recommend to apply a colour stable sealer.

Characteristics

- Sound absorbing, warm to foot
- Static crack-bridging
- Soft-elastic
- Low odour
- Low emission (fulfils German AgBB requirement)

VIASOL systems

VIASOL PU-C525 is the elastic coating for the VIASOL systems:

VIASOLELASTIC
 VIASOLELASTIC *comfort*
 VIASOLELASTIC *soft*

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.

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 7472 94999-0

E-Mail: info@viacor.de

(A) Technical Data	
Mixture (A+B)	
1. Solids content	99 %
2. Density (20°C)	1.3 g/cm ³
3. Viscosity (20°C)	approx. 1400 mPas
4. Packaging size (2-component container)	30 kg (23 kg A + 7 kg B)
5. Colour	VIASOL standard
6. Shelf life	12 months in originally closed container
7. Storage	Dry at 10-25°C, avoid direct sunlight

(B) Technical Data	
Cured material	
1. Tensile strength (DIN EN ISO 196/ASTM C109)	9 N/mm ²
2. Elongation at break (DIN 53504)	approx. 200%
3. Tear resistance (DIN 53507)	approx. 15 N/mm
4. Hardness Shore-A (EN ISO 868)	(23°C/50% r. humidity) approx. A 84 (7d)
5. Fire classification (EN 13501-1)	Bfl-S1
6. Water absorption coefficient (EN 1062-3)	w < 0,01 kg/m ² h ^{0,5}



¹Tested in system build-up VIASOL **ELASTIC**, VIASOL **ELASTIC soft**, VIASOL **ELASTIC comfort**

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2 Application method

Please refer also to our general application guideline.

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.

Depending on the desired evenness of the final coating VIASOL PU-C525 is applied directly to the primer (e.g., VIASOK EP-T703, VIASOL EP-P210) or to a VIASOL PU-C525 based levelling layer (mandatory for the VIASOLELASTIC *comfort* system with rubber mat). The coating VIASOL PU-C525 must be applied no later than 24 hours after the application of the previous coat.

Application

VIASOL PU-C525 is supplied in 2-component containers in the right mixing ratio. The A-component must be stirred for at least 1–2 minutes. Then the entire content of the B-component is emptied into the A-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. We recommend the application by equal batch numbers.

The mixture is poured into another container and briefly stirred again. VIASOL PU-C525 is poured onto the surface and spread over the entire area using a notched trowel with tooth size no. 25 (check application thickness). We recommend to roll the still liquid coating with a metal spiked roller (e. g. Multitool) to ensure optimal de-foaming. The applicator wears spiked shoes for this operation which enable him to walk in the freshly applied coating.

Anti-skid surfaces can be obtained by broadcasting the still liquid coating with an aggregate such as corundum. It is possible to add up to 30% of silica sand (VIASOL QS F32 or QS 0.3 – 0.8)

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 24 h. After 24 h, the application can only take place after a careful grinding of the surface.

(C) Technical Data

Mixture (A+B)

1.	Mixing ratio A : B	100 : 30 (by weight)
2.	Working time	12°C approx. 40 min. 20°C approx. 25 min. 30°C approx. 12 min.
3.	Application temperature	10–30°C (min. 3 °K above dew point)
4.	Relative humidity	min 30% - max 75%
5.	Material consumption (depending on substrate) levelling layer coating	1000 – 1500 g/m ² 1800 – 2500 g/m ²
6.	Foot traffic (20°C)	after approx. 10 hours
7.	Following layer (20°C)	within 12–24 hours

(D) Technical Data

Cured material

Impact sound reduction acc. to DIN EN ISO 717-2:

In the system VIASOLELASTIC	5 dB
In the system VIASOLELASTIC <i>soft</i> (with elastic layer)	Up to 12 dB
In the system VIASOLELASTIC <i>comfort</i> (with elastic foam mat)	Up to 23 dB

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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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.

Decopaint-Guidelines (EU 2004/42/EG)

The maximum allowable VOC content for Product Category IIA j Type Lb products (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).