

Product 02032500 2-comp. PU elastic layer, soft elastic, reduced impact sound, low emission

1 General Data

Fields of application

VIASOL PU-L325 is used as soft elastic layer for comfortable elastic indoor coatings with reduced impact sound and low emission.

Areas of use are kindergartens, schools, clinics, social rooms, bureaus, homes for the elderly and others.

Product description

VIASOL PU-L325 is a low emission, solvent free, soft elastic, coloured coating material based on 2 component polyurethane resin.

VIASOL PU-L325 reduces impact sound, is very comfortable to walk on and has statically crack-bridging properties. VIASOL PU-L325 is an intermediate layer and has to be over coated using elastic VIASOL PU-coatings.

VIASOL Systems

VIASOL PU-L325 is the impact sound reducing intermediate layer for the VIASOL systems:

VIASOL **ELASTIC soft**

VIASOL **ELASTIC soft UV**

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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E-Mail: info@viacor.de

(A) Technical Data

Liquid mixture (A+B)

1. Solids content	99 %
2. Density (20°C)	approx. 1.0 g/cm ³
3. Viscosity (20°C)	2000-3000 mPas
4. packaging size (2-component container)	24 kg (20.0 kg A + 4.0 kg B)
5. Color	grey
6. Shelf life (20 °C)	12 months in closed original container
7. Storage	Dry at 10 – 25° C, avoid direct sunlight

(B) Technical Data

Cured material

1. Tensile strength (DIN EN 196/ASTM C109)	approx. 3N/mm ²
2. Elongation at break (DIN 53504)	approx. 80 %
3. Tear strength (DIN 53515)	approx. 15 N/mm ²
4. Shore-A-hardness (DIN EN ISO 868)	approx. 63 (24 h) approx. 75 (28 d)



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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2 Application Method

Substrate Preparation

The substrate must be clean and free of dust and loose particles. The elastic layer is applied –depending on the evenness of the substrate – directly onto the primer VIASOL EP-P260, VIASOL EP-P285 or VIASOL PU-P215 without sanding. If the substrate is very uneven, or for cracks, cavities, pores, a levelling layer based on PU like VIASOL PU-C501 or VIASOL PU-C525 has to be applied. The top coating has to be applied at least 48 h after the elastic layer.

Application

The product is delivered in ready-to-use 2-component containers in the exact mixing ratio. The A-component must be stirred for at least 2–3 minutes. Then the entire content of the A-component is emptied into the B-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. The mixture is poured into another container and briefly stirred again.

VIASOL PU-L325 is poured onto the surface and spread over the entire area using a serrated spatula (tooth size no. 22 or 25) or a notched rake for larger areas. To achieve uniform layer thicknesses, the tooth rows of the spatula must be regularly replaced. The liquid material has to be rolled with a spiked roller to remove air. The applicator wears spiked shoes to be able to walk on the liquid coating.

For cleaning of tools and other dirt VIASOL SO-X12 cleaner is recommended.

Over coating

It is not necessary to abrade the surface if the following coat is applied within 24 – 48 hours. For application after 48 h the area has to be abraded thoroughly. For further information please contact our technical support.

(C) Technical data	
Liquid mixture	
1. Mixing ratio A: B	100 : 20 by weight
2. Working time (at 20°C)	approx. 20 min.
3. Working temperature	10-30°C (min. 3K above dew-point)
4. Permissible rel. air humidity	Min. 30% - max. 75%
5. Material consumption per mm dried film thickness	approx. 0.9-1.1 kg/m ²
6. Foot traffic: (23°C)	after 20 – 24 hours
7. Consecutive coating (20°C)	within 20 – 48 Std.

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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 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).

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