

Product 02071100 1-comp. PU binder for stone carpets, UV- and colour stable, low emission

1 General Data

Fields of application

VIASOL PU-T711 is used as UV- and colour-stable, transparent binder for VIASOL colour quartz mortars. It has a glossy finish.

VIASOL PU-T710 contains a reaction starter which may lead to odours during the first days of curing. Therefore, the product should only be used OUTDOORS.

Typical uses are balcony and terraces, parking areas and other areas outdoors. .

Product description

VIASOL PU-T711 is a UV and colour-stable, transparent, low emission, one-component PU sealer based on high quality aliphatic polyurethane resin.

The product shows good chemical resistance against diluted acids and alkalis, salt and waste water and lubricant and oils.

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.

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(A) Technical Data

Mixture (A+B)

1. Solids content	>99%
2. Density (20°C)	ca. 1.1 g/cm ³
3. Viscosity (20°C)	800 - 1200 mPas
4. Packaging size (1-component container)	10 kg
5. Colour	transparent , glossy
6. Shelf life	6 months
7. Storage	Dry at 15-25°C, avoid direct sunlight, protect from frost

(B) Technical Data

Cured material

1. Adhesive strength (DIN EN ISO 4624)	> 1,5 N/mm ²
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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

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.

VIASOL PU-T711 is applied directly on primed surfaces sprinkled with quartz sand e. g. with VIASOL EP-P210 or on VAISEAL coatings like VIASOL PU-M1003.

Application

VIASOL PU-T711 is supplied in 1-component containers. The product temperature should be between 15°C (pre-heat if necessary) and 25°C as a maximum.

Fillers (coloured quartz sand etc.) must be fire dried. Only one-grain size quartz sand is used. First add the filler to the mixer and then VIASOL PU-T711 in the right mixing ratio. Mix until the mixture is homogeneous.

The mixture is spread with a trowel onto the prepared substrate and smoothed manually.

The mixing ratio of binder to filler depends on the grain size of the filler and ambient conditions. We recommend to use 5-8% of binder depending on grain size and grain size distribution.

Example:

thickness	Consumption mortar	Amount of binder
≥ 5 mm	ca. 10 kg	ca. 0.8-0.9 kg/m ²
≥ 8 mm	ca. 16 kg	ca. 0.9-1.0 kg/m ²
≥ 12 mm	ca. 24 kg	ca. 1.1-1.3 kg/m ²

The mixture should not be too wet, otherwise a concentration of the binder at the bottom may occur and lead to foaming and reduced adhesion to the substrate.

High temperatures and high air humidity will shorten pot life and curing time, low temperatures and low air humidity will increase pot life and curing time.

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.

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(C) Technical Data		
Mixture (A+B)		
1.	Mixing ratio A : B	1 component
1.	Consumption sealer (ca. 0,3 mm) stone carpet (1 mm Schichtstärke)	250 - 350 g/ m ² ca. 600 g/ m ² binder + 300 g quartz sand 0,4-0,7 mm
2.	Working time (20 °C)	approx. 60 min.
3.	Application temperature	15 – 25 °C (material) 10 – 30°C (object) (min. 3 K above dew point)
4.	Relative humidity	30 to max. 80%
5.	Foot traffic (20°C)	after 12 - 18 hours
6.	Fully capable of withstanding stress mechanical (20°C) chemical (20°C)	after 3 days after 7 days

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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).

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