

VIASOL PU-S690 Technical Data Sheet

Product 02069000 2-comp. Polyaspartic sealer, UV- and color stable, fast curing, transparent

1 General Data

Fields of application

VIASOL PU-S690 is used as UV- and color-stable, transparent seal coat for coating systems based on polyurethane resin. VIASOL PU-S690 can be used for outdoor application and cures with a glossy finish. Indoor applications are possible when the low solvent content do not disturb during application.

Product Description

VIASOL PU-S690 is a low solvent content, low temperature and fast curing, elastic, transparent 2 component seal coat based on Polyaspartic resin. The product has in the cured state a very good abrasion resistance, excellent weathering and color stability, is characterized by the properties of an elastic surface and has good resistance to diluted acids and alkalis, fuels and lubricants. Exposure to chemicals may lead to optical discoloration that will not affect the technical usability of the flooring (see chemical resistance list).

VIASOL PU-S690 has a low susceptibility to pollution and is easy to clean.

Properties

- fast and low temperature curing
- abrasion resistant
- crack bridging

VIASOL systems

VIASOL PU-S690 is an elastic seal coat for VIASOL PU based systems.

VIASOL **BALCONY rapid**
VIASOL **BALCONY rapid SR**

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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E-mail: service@viacor.de

(A) Technical Data

Liquid mixture (A+B)

1. Viscosity (23 °C)	ca. 800 - 1200 mPas
2. Density (20 °C)	ca. 1.08 g/cm ³
3. Packaging size (2-component container)	10.5 kg (5 kg A + 5.5 kg B)
4. Colour	Transparent, glossy
5. Shelf life (20 °C)	12 months in originally closed container
6. Storage	Dry at 10 – 25°C, avoid direct sunlight

Manufacturer:

VIACOR Polymer GmbH, Hohenneuffenstr. 14, D-72622 Nürtingen, Tel: +49/7022-21790-0, info@viacor.de, www.viacor.de

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2 Application Method

Please refer also to our general application guideline.

Substrate preparation

As a primer: The substrate must be prepared by vacuum shot blasting. Rough contaminations can be removed by grinding.

VIASOL PU-S690 can be applied directly to the surface if the substrate moisture content does not exceed max. 3.5 CM % and the surface is absorbent and free from puddles. There should be no water in the pores. If the substrate moisture is higher and for substrates with direct contact to earth, VIASOL EP-P206 should be used instead. The surface must have an adhesive strength of minimum 1.5 N/mm². All traces of contaminants such as oils, fats, greases, paint residues, chemicals, algae and laitance should be removed. Cracks and hollow spots must be properly remedied.

As sealer: 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-S690 is applied on VIASOL PU wear coats. VIASOL PU-S690 can be applied after the waiting time for overcoating mentioned in the specific product data sheet of the previous layer is over.

Application

VIASOL PU-S690 is delivered 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. The mixture is poured into another container and briefly stirred again.

VIASOL PU-S690 is poured onto the surface and spread over the entire area using a rubber squeegee. VIASOL PU-S690P is poured onto the surface and spread over the entire area using a rubber squeegee. Then it is rolled with a short-piled microfiber roller (e. g. Multitool microfiber 6 or 8 mm) in a criss-cross manner. The formation of puddles should be avoided. As finish we recommend to roll in one direction with the microfiber roller. The drying time for seams of the wet sealer is 3 – 5 minutes (at 20°C and 50% rel. humidity – higher temperatures and higher humidity will shorten the drying time).

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

Over coating

Please contact our technical support.

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(C) Technical Data

Liquid mixture (A+B)

1.	Mixing ratio A : B	100 : 110 (% by weight)
2.	Material consumption	600 – 900 g/m ²
3.	Working time (20 °C) Drying time for seams during application (20°C)	ca. 20 minutes 3 – 5 minutes
4.	Application temperature	5 – 30 °C (min. 3 above dew point)
5.	Relative humidity	40 up to max. 85%
6.	Foot traffic (20 °C)	after 2 hours
	Fully capable of with-standing stress mechanical (20 °C) chemical (20 °C)	after 6 hours after 1 day

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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 declaration of performance.

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 user's responsibility to obtain the most recent issue (see www.viacor.de or contact us directly).

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