

Product 01540000 2-comp. EP sealer, low emission, transparent, glossy

1 General data

Fields of application

VIASOL EP-S5400 is used as a transparent sealer for coating systems broadcasted with coloured quartz. It is applied in one or more working steps. The product can also be used as a sealer on smooth coatings with the addition of VIASOL Micropearls (glass beads).

Examples of applications include shopping malls, laboratories, production halls and industrial kitchens.

Product description

VIASOL EP-S5400 is a transparent, ready-to-use and low-emission 2-component sealer made of high-quality, low-yellowing epoxy resin.

VIASOL EP-S5400 serves as a sealer for tough, non-porous, jointless coating systems. The product is mechanically resilient and exhibits good cleanability as well as high resistance to staining by organic substances (e.g. foodstuffs).

Epoxy resins are generally not color-stable under UV and weathering influences. Even with low-yellowing products, changes in color shade can occur, especially with light and gray/blue shades. Depending on exposure to chemicals and food, discoloration may occur, but this does not affect the technical properties. For details please contact the technical service. If necessary, we recommend a UV- and color-stable sealer, e.g. the highly stain-resistant VIASOL PU-S667 N in kitchens.

Properties

- Low-yellowing transparent epoxy resin
- Solvent-free
- Tested for low emissions acc. to AgBB and other standards
- Resistant to staining by a wide range of substances
- Good deaeration properties
- Good wear resistance

VIASOL Systems

VIASOL EP-S5400 is a sealer for, among others, the VIASOL systems:

- VIASOL **DESIGN QCV**
- VIASOL **DESIGN QCV conductive**
- VIASOL **UNIFLEX cuisine 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.

Manufacturer:

VIACOR Polymer GmbH, Graf-Bentzel-Str.78, D-72108 Rottenburg, Tel: +49 7472 94999-0, info@viacor.de, www.viacor.de

(A) Technical data

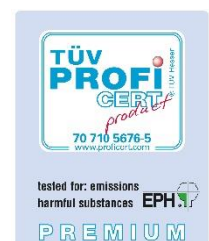
Mixture (A+B)

1. Solids content	100 %
2. Density (20°C)	1.08 g/cm ³
3. Viscosity (20°C)	650 - 850 mPas
4. Package size (2-Component package)	25 kg (17 kg A + 8 kg B)
5. Colour	transparent
6. Shelf-life (20 °C)	24 months in originally closed container
7. Storage	Dry and frost free at 10 – 25°C, avoid exposure to direct sunlight

(B) Technical data

Cured material

1. Adhesive strength (DIN EN ISO 4624)	> 1.5 N/mm ²
2. Shore-D-Hardness (DIN EN ISO 868)	82 (after 3 d) 83 (after 1 month)
3. Abrasion resistance (Taber, DIN EN ISO 5470-1)	< 75 mg (CS17) < 105 mg (H22)



¹ Tested in system VIASOL **DESIGN QCV**

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

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2 Application method

For detailed information concerning the application of VIASOL **DESIGN** products please refer to the VIASOL **DESIGN** application guide.

Please also refer to our general application guideline.

During application, ensure absolute cleanliness of tools and clothing.

Substrate preparation

The substrate must be clean and free of any substances which may impair adhesion.

Application

The product is supplied in matched quantities in 2-component containers. The A-component must be stirred for at least one minute. Then completely empty the B-component into the A-component and mix both components homogeneously for at least 2 - 3 minutes using a suitable electric stirrer. Stirring in of air must be avoided. The mixture must be re-potted and then stirred again briefly.

On broadcasted surfaces, VIASOL EP-S5400 is poured immediately onto the surface to be sealed and spread evenly with a metal trowel, a hard or soft rubber squeegee or spatula. The amount of material used depends on the slip resistance to be achieved. The product can be applied in several working steps. From the second application onwards, the surface should be re-rolled in one direction using a short-pile nylon roller with 8 mm pile height. Puddle formation should be avoided.

For details on application and reworking, please refer to the VIASOL **DESIGN** application guideline.

At ambient temperatures of min. 12°C, the material must be protected from direct water impact and moisture exposure for min. 24 h after installation to ensure optimum curing without white discoloration. Colder temperatures reduce the curing speed and thus require a longer time before exposure to water.

VIASOL SO-X10 Tool Cleaner is used to clean tools and other contaminants.

(C) Technical data		
Mixture (A+B)		
1.	Mixing ratio A : B (Weight percentage)	100 : 47
2.	Working time (20 °C)	ca. 25 minutes
3.	Application temperature	10 – 30 °C (min. 3 °C above dew point)
4.	Consumption on smooth surface on broadcasted surface (1 st application) on broadcasted surface (2 nd application)	ca. 100 – 300 g/m ² ca. 400 – 700 g/m ² ca. 100 – 300 g/m ²
5.	Foot traffic 12°C 15°C 20°C	after ca. 40 h after ca. 30 h after ca. 20 h
6.	Fully capable of withstanding (20°C) mechanical stress chemical stress	after 3 d after 7 d

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3 Further information

CE-Mark



CE-Mark according to DIN EN 13813

EN 13813 "Screed material and floor screeds – properties and requirements" specifies requirements for screed material for use in floor construction internally. Resin flooring and sealer coats are also covered by this standard.

For details see CE mark and Declaration of Conformity

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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