

VIASOL EP-S688 Technical Data Sheet

product 01068800 2-C-EP sealer (concentrate), water-based, solvent free, transparent, silk matt

1 General Data

Fields of application

VIASOL EP-S688 is used as transparent silk matt sealer for hard and hard elastic coating systems based on epoxy resin. Before application the product has to be diluted with water.

Product description

VIASOL EP-S688 is a transparent and abrasion resistant, solvent free, water based two-component coating compound consisting of epoxy resin.

This coating has a low yellowing index and is highly resistant to fuels and lubricants as well as most solvents and many chemicals. Exposure to chemicals may lead to optical discoloration that will not affect the technical usability of the flooring (see chemical resistance list).

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

(A) Technical Data

Liquid mixture (A+B)

1. Solids content	> 65 %
2. Density (20°C)	1.1 g/cm ³
3. Packaging size (2-component container)	10 kg (6.2 kg A + 3.8 kg B)
4. Colours	transparent (silk matt)
5. Shelf life (20°C)	12 months in originally closed container
6. Storage	Dry and frost-free at 10–25°C, avoid direct sunlight

Properties

- transparent
- silk matt finish
- water-based

VIASOL systems

VIASOL EP-S688 is a sealer for the VIASOL systems:

- VIASOL **UNIVERSAL**
- VIASOL **UNIVERSAL high-impact**
- VIASOL **COMPACT**
- VIASOL **PERM**
- VIASOL **DESIGN**

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: info@viacor.de

Manufacturer:

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2 Application method

Substrate preparation

The substrate must be clean and free of dust and loose particles.

VIASOL EP-S688 is applied on VIASOL EP top coatings.

The previous layer must be cured at least 12 hours before applying the matt sealer.

Application

First mix A+B, then add the water!

The product is delivered in 2 component containers in the exact mixing ratio. Before starting the application, the material temperature must be close to the temperature of the air and substrate. The A-component is stirred for at least 1 – 2 minutes. Then the entire contents of the B-component are emptied into the A-component container and both are stirred for about 2 – 3 minutes using a suitable electrical stirrer. The inclusion of air in the stirring process must be avoided.

Afterwards additional 3-3,5 kg of water per container (10 kg) have to be added and stirred thoroughly.

The mixture should be poured into a different container and stirred again briefly.

VIASOL EP-S688 is poured onto the surface in portions and applied over the entire area with a short napped roller (e.g. Multitool or Polyplan 3160PW) in a criss-cross manner and homogeneously finished with a second roller in one direction.. The formation of puddles should be avoided. In order to ensure a fast evaporation of the water, the relative air humidity should not exceed 85% during processing and curing. Open time for rolling fresh material into the applied wet sealer without leaving any marks is at room temperature 3 - 5 minutes. During application there should be enough air-exchange, but avoid drafts and direct sunlight.

For cleaning of tools and other contaminations water is recommended. Cured material must be removed using VIASOL SO-X10 cleaner.

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

Liquid mixture (A+B)

1. Mixing ratio A : B + water	100 : 61 by weight + 52 parts by weight water (3,2l per 10 kg container)
2. Processing time (20°C)	approx. 35 minutes
3. Application temperature:	15 – 25°C (min. 3°C above dew point)
4. Rel. air humidity for application and curing	< 85 %
5. Material consumption (depending on substrate)	80 - 120 g/m ²
6. Foot traffic (20°C)	after 24 hours
7. Consecutive layer (20°C)	within 12-24 hours
8. Fully capable of withstand- ing mechanical stress (20°C) chemical stress (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 "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 wb products (in the ready to use state) is:

Stage II (from 2010) < 140 g/l VOC

In the ready to use state, this product contains less than 140 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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