

**Product 01062040**      2 comp. EP seal coat, structured, conductive, solvent free, colored

## 1 General Data

### Application

VIASOL EP-S620 AS THIX is used as a conductive colored seal coat with a structured surface for areas with light traffic. Areas of use are light duty industrial areas, warehouses, garages, pedestrian areas and technical rooms.

### Product description

VIASOL EP-S620 AS THIX is a conductive, colored, slightly thixotropic, ready-to-use two-component solvent free seal coat based on high quality epoxy resin. VIASOL EP-S620 AS THIX is used as a seal coat or thin coating (0.3-0.8 mm) with good abrasion resistance. The coating shows good resistance to oil and most solvents as well as many other chemicals.

In general, epoxy resins are not color stable if exposed to UV light or under influence of weathering.

### Care and Maintenance

For a long-term preservation of the properties of resin floors, we recommend a regular cleaning and care program. For further details see our VIASOL Care and Maintenance Guide. Before first use we recommend to perform a basic cleaning with initial care for conductive floorings.

### 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	
<b>Liquid mixture (A+B)</b>	
1. Solids content	99 %
2. Density (20°C)	1.6 g/cm <sup>3</sup>
3. Viscosity (20°C)	3200 mPas
4. Packaging size (2-component container)	30 kg (25.5 kg A + 4.5 kg B)
5. Color	VIASOL standard, other colors on request
6. Shelf life (20°C)	24 months in originally closed container
7. storage	Dry at 10 – 25°C, avoid direct sunlight

(B) Technical data	
<b>Cured material</b>	
1. Adhesive strength (DIN EN ISO 4624)	> 2.5 N/mm <sup>2</sup> (substrate failure)
2. Abrasion resistance (DIN EN ISO 5470-1)	74 mg/1000 cycles (Taber CS10 wheel)
3. Shore-D-hardness (DIN EN ISO 868)	73
4. Resistance to earth (DIN EN 1081)	10 <sup>4</sup> – 10 <sup>6</sup> Ω

### Manufacturer:

VIACOR Polymer GmbH, Graf-Bentzel-Str.78, D-72108 Rottenburg, Tel: +49/7472-94999-0, [info@viacor.de](mailto:info@viacor.de), [www.viacor.de](http://www.viacor.de)

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## 2 Processing Instructions

### Substrate Preparation

The substrate must be clean and free of dust and loose particles. VIASOL EP-S620 AS THIX must be applied directly on an EP conductive layer (VIASOL EP-E480). The sealing VIASOL EP-S620 AS THIX has to be applied at least 24 h after the previous layer.

### Processing

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. Afterwards 10 - 20% of VIASOL SiC F36 can be added and the mixture is stirred again. The inclusion of air in the stirring process must be avoided. The mixture should be poured into a different container and stirred again briefly. We recommend the application by equal batch numbers.

VIASOL EP-S620 AS THIX is poured onto the surface in portions and applied over the entire area with a kaubspatula or rubber squeegee and rolled afterwards with a structure roller with medium or coarse structure in one direction to avoid roller marks. The consumption must be controlled to achieve the desired conductivity.

For cleaning of tools and other contaminations use VIASOL SO-X10 tool cleaner.

#### Note for conductive systems:

To check the conductivity values are the assessment report "Conductive coatings for industrial floors" of the German Construction Chemicals Association recommended.

Note: Prior to application of the conductive coating VIASOL EP-C3600 AS the conductive layer VIASOL EP-E1480 or E1400 must be measured.

Area coating system	Number of measurements
< 10 m <sup>2</sup>	1 measurement / m <sup>2</sup>
10 – 100 m <sup>2</sup>	10 – 20 measurements
> 100 m <sup>2</sup>	10 measurements / 100 m <sup>2</sup>

Distance between the measurement points at least 50 cm. If the required measurement value is not reached, further measurements must be carried out within a radius of 50 cm.

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(C) Technical data		
<b>Liquid mixture (A+B)</b>		
1.	Mixing ratio A : B parts per weight (in kg)	100 : 18 by weight
2.	Processing time (20°C)	approx. 20 minutes
3.	Processing temperature:	12–25°C (min. 3°C above dew point)
4.	Material consumption	650–800 g/m <sup>2</sup>
5.	Can be walked on (20 °C)	after 12–15 hours
6.	Consecutive layer (20°C)	within 18–36 hours
7.	fully capable of withstanding mechanical stress (20°C) chemical stress (20°C)	after 7 days after 28 days

### Reworking

If reworking within 24 hours after application the coating need not be grinded. Reworking later than that is only possible after grinding and vacuuming it carefully. A conductive layer should be applied additionally.

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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 seal coat 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 Ib 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](http://www.viacor.de) or contact us directly).

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