Product 01060240 2-comp. EP-sealer for rolling, solvent-free, conductive, colored

1 General Data

Fields of application

VIASOL EP-S602 AS is used as a conductive, colored sealer for rolled seal coats with slight traffic. Areas of use are lightly loaded industrial areas, warehouses, pedestrian areas and technical rooms.

Product description

VIASOL EP-S602 AS is a conductive, colored, ready-to-use, solvent free two-component sealer based on high quality epoxy resin. VIASOL EP-S602 AS is used as a conductive sealer or thin coating (0.3-0.6 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. We recommend to apply a color stable sealer.

Dark and highly pigmented colors can show shades or slight structures at the surface because of the included conductive fibres even though application is done properly. This is system imanent and does not have a negative impact on product properties. In case of doubt, make a test area for better judgement.

VIASOL Systems

VIASOL EP-S602 AS is the option seal coat for the VIASOL system:

VIASOL***PROTECTIVE conductive***

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		
Liquid mixture (A+B)		
1.	Solids content	99 %
2.	Density (20°C)	1.44 g/cm^3
3.	Viscosity (20°C)	1200–1800 mPas
4.	Packaging size (2-component container)	30kg (24.5 kg A + 5.5 kg B)
5.	Color	VIASOL standard, other colors on request
6.	Shelf life (20°C)	24 months in closed original container
7.	storage conditions	Dry at 10–25°C, avoid direct sunlight

(B) Technical data		
Cured material		
1.	Adhesive strength (DIN EN ISO 4624)	> 1.5 N/mm^2 (substrate failure)
2.	Abrasion resistance (DIN EN ISO 5470-1)	70 mg/1000 cycles (Taber CS10 wheel)
3.	Shore-D-hardness (DIN EN ISO 868)	79
4.	Resistance to earth (DIN EN 1081)	10^4 – 10^6 Ω

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 see also our general processing instructions.

Substrate preparation

The substrate must be clean and free of dust and loose particles.
VIASOL EP-S602 AS must be applied directly on an EP conductive layer (VIASOL EP-E480/1480 or EP-E1400). The sealing VIASOL EP-S602 AS has to be applied at least 24 h after the previous layer.

Application

The product is delivered in 2 component containers in the exact mixing ratio. Before starting the application, the material temperatuire 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. The mixture should be poured into a different container and stirred again briefly. We recommend the application by equal batch numbers.
VIASOL EP-S602 AS is poured onto the surface in portions and applied over the entire area with a kaub-spatula or rubber squeegee and rolled afterwards with a short-pile roller 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 cleaner.

Note for conductive systems:
To check the conductivity values the assessment report "Conductive coatings for industrial floors" of the German Construction Chemicals Association is recommended.
Note: Prior to application of the conductive coating VIASOL EP-S602 AS the conductive layer VIASOL EP-E1480/480 or VIASOL EP-E1400 must be measured.

Area coating system	Number of measurments
< 10 m²	1 measurement / m²
10 – 100 m²	10 – 20 measurements
> 100 m²	10 measurements / 100 m²

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.

(C) Technical data		
Liquid mixture (A+B)		
1.	Mixing ratio A : B	100 : 22 by weight
2.	Working time (20°C)	approx. 20 minutes
3.	Application temperature:	10–30°C (min. 3K above dew point)
4.	Material consumption	400 – 600 g/m^2
5.	Foot traffic (20 °C)	after 18–24 hours
6.	Following coating (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

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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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 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 characeristics 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 characteritics of the product.
Due to different materials, sub-bases and working conditions, no guaratee 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 vialation 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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