

Product 01036000 2-C-EP resin for laminating, low emission, solvent free, transparent

1 General Data

Application

VIASOL EP-L360 is used as laminating resin for glass fibre mats for industrial floors with high requirements to mechanical properties e.g. high-shelf warehouses, breweries, DIY stores, power stations, laboratories, military buildings, shopping malls or production sites with heavy-duty traffic. VIASOL EP-L360 is a low emission laminating resin for improved indoor air quality.

Product Description

VIASOL EP-L360 is a transparent, low-viscosity, solvent-free, low emission two-component laminating resin based on high-grade epoxy resin. The product fulfills German AgBB specifications for VOC emissions from construction products.

VIASOL Systems

VIASOL EP-L360 serves as laminating resin for the VIASOL systems:
VIASOL UNIVERSAL high-impact

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	approx. 100 %
2. Density (20°C)	1.10 g/cm ³
3. Viscosity (20°C)	600-1000mPas
4. Packaging size (2-component container)	24kg (15 kg A + 9 kg B)
5. Colour	transparent
6. Shelf life (20°C)	24 months in originally closed container
7. Storage	Dry at 10-25°C, avoid direct sunlight

(B) Technical Data	
Cured material	
1. Adhesive strength (DIN EN ISO 4624)	> 2.5 N/mm ² (concrete failure)



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 Processing Instructions

Substrate Preparation

VIASOL EP-L360 is applied onto the primer VIASOL EP-P260. The substrate must be clean and free of dust and loose particles. The laminate layer must be applied within 24 hours after the previous layer has been laid.

Processing

The product is delivered in ready-to-use 2-component containers in the exact mixing ratio. The entire contents of the B-component are emptied into the A-component container. Both components are stirred until homogeneous for about 1–2 minutes using a suitable electrical stirrer. The inclusion of air in the stirring process must be avoided. The mixture is poured into another container and briefly stirred again.

VIASOL EP-L360 is poured onto the VIASOL glass fibre mats, which are laid butt-joined and spread over the entire area using a spatula or a rubber spreader. Then the floor is rolled using a short-pile plush roller to eliminate all air bubbles from the laminate. If a second layer of glass fabric is to be inserted, it is laid transverse to the first and processed the same way. The still damp layer is then sprinkled with fire-dried silica sand (VIASOL QS 0,3-0,8 approx. 800 g/m²).

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

Reworking

Before applying the next layer, excess silica sand must be removed completely. If reworking the layer within 24 hours after application the layer need not be ground. Reworking after that is only possible after grinding it carefully.

(C) Technical Data		
Liquid mixture (A+B)		
1.	Mixing ratio A : B	100 : 60 (by weight)
2.	Processing time (20°C)	20–25 minutes
3.	Processing temperature:	10 – 30°C (min. 3 K above dew point)
4.	Material consumption (depending on substrate)	600 – 1200 g/m ²
5.	Can be walked on (20°C)	after 12 – 15 hours
6.	Consecutive layer (20°C)	within 12 – 24 hours
7.	fully capable of withstanding stress:	
	mechanical (20°C)	after 3 days
	chemical (20°C)	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 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 or contact us directly).

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