

VIASOL EP-B985 Technical Data Sheet

Product 01098500 2-K-EP impregnation for fresh concrete / dust-binding sealer, water-based

1 General data

Fields of application

VIASOL EP-B985 is used as fresh concrete impregnation on the fresh and matt damp concrete surface. The product can also be used as impregnation for cured concrete and cementitious screed surfaces. Furthermore it can be used as a bonding agent for magnesite screeds on cementitious subsoils.

Product description

VIASOL EP-B985 is a transparent, two-component, water-based and high-grade epoxy resin. The advantage of using as a bonding agent is the possibility of "fresh in fresh application" and thus a short term application of a magnesite screed on it. VIASOL EP-B985 guaranteed, when properly laid, a uniformly good bonding between magnesite and cementitious substrate.

Technical support

For system build up possibilities and detailed information to the laying of VIASOL products, please refer to the VIASOL system planner or contact VIACOR Polymer GmbH directly

Tel: +49/7022-21790-0
e-mail: service@viacor.de

(A) Technical data

Liquid mixture (A+B)

1. Solids content	60 %
2. Density (20°C)	1,05 g/cm ³
3. Packaging size (2-component container)	20 kg (13 kg A + 7 kg B)
4. Colour	transparent
5. Shelf life	24 months in the originally closed container
6. Storage	Dry at 10 – 25° C, always keep from freezing (also during transport)

(B) Technical data

Cured material

1. Adhesive strength (DIN ISO 4624)	> 2.5 N/mm ²
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Manufacturer:

VIACOR Polymer GmbH, Hohenneuffenstr. 14, D-72622 Nürtingen, fon +49/7022-217900, info@viacor.de, www.viacor.de

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2 Processing instructions

Substrate preparation

The substrate must be pretreated by shot-blasting or grinding. Gross contamination can be removed by milling. The substrate should have an adhesive strength of at least 1.5 N / mm². It should be free of oily, fatty or other impurities and loose parts etc. Cracks and cavities must be repaired before application.

Processing

VIASOL EP-B985 is mixed homogeneously in the specified mixing ratio. Subsequently, the binder (A + B) is diluted with 10 - 12 % water (2 - 2.5 l per 20 kg container) and mixed and homogenized. As batch size, we recommend the original container size and the appropriate amount of water. The product is poured immediately after mixing to the cleaned and prepared surface and should be brushed thoroughly into the surface. Puddles should be avoided. For highly porous substrates and for applications as impregnation, a second application is required. If used as bonding agent the magnesite screed can be poured after a minimum of 30 minutes to the still "fresh" bonding agent and processed in the usual way. To achieve a uniform adhesion, we recommend to apply the magnesite screed at least 30 minutes (milky) and the latest after 6 hours (clear yet sticky) after the bonding agent.

For cleaning tools and other contaminants, water is used.

Overcoating

The application of the magnesite screed onto the bonding agent must be done, as long as the bonding agent is still sticky, otherwise it must be applied again. When it is used as impregnation, the second layer must be applied not before 6 hours but within 24 hours.

(C) Technical data	
Liquid mixture(A+B)	
1. Mixing ratio A : B	2:1 by volume 100 : 54 by weight + 10 -12% water
2. Processing time (20°C)	approx 30 minutes
3. Processing / material / ambient temperature	10–30 °C (min. 3°C above dew point)
4. Rel. humidity when applied	< 85 % (T = 20°C)
5. Material consumption each layer Binder (undiluted) Mixed material	ca. 100 – 150 g/m ² ca. 110 – 170 g/m ²
6. Consecutive layer (20°C)	after 30 minutes up to ca. 6 hrs.

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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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