

Product 01098000 2-component EP bonding agent for magnesite screeds, transparent

1 General data

Fields of application

VIASOL EP-B980 is used as water dilutable bonding agent for magnesite screeds on hydraulic substrates.

Product description

VIASOL EP-B980 is a transparent, two-component, water-dilutable bonding agent based on high-grade epoxy resin. In consequence of the long term application VIASOL EP-B980 guarantees, when properly laid, a uniformly good bonding between magnesite and cementitious substrate also for large areas.

Care and maintenance

For a long-term preservation of the properties of magnesite 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 to the laying of VIASOL products, please refer to the VIASOL system planner or contact VIACOR Polymer GmbH directly
 Phone: +49 (0)7472-949990
 E-Mail: info@viacor.de

(A) Technical data	
Liquid mixture (A+B)	
1. Solids content	47 %
2. Density (20°C)	1,05 g/cm ³
3. Packaging size (2-component container)	18 kg (10,5 kg A + 7,5 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) Avoid direct sunlight

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

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

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

The product is delivered in ready-to-use 2-component containers in the exact mixing ratio. The entire content of the B-component is emptied into the A-component container and the two components are mixed until homogeneous using a suitable electric stirrer (for at least 2–3 minutes).

VIASOL EP-B980 is mixed homogeneously in the specified mixing ratio. Subsequently, the binder (A + B) is diluted with 7,5l water per 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 a second application is required.

The magnesite screed can be poured after a minimum of 1 hour to the still "fresh and sticky" bonding agent and processed in the usual way. Depending on the temperature we recommend to apply the magnesite screed at least 1 hour (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 VIASOL EP-B980 must be applied again.

(C) Technical data

Liquid mixture(A+B)

1.	Mixing ratio A : B	100 : 71 by weight (71 parts water)
2.	Processing time (20°C)	approx 2 hours
3.	Processing / material / ambient temperature	10–30 °C (min. 3°C above dew point)
4.	Material consumption each layer Binder (undiluted) Mixed material	ca. 100 – 250 g/m ² ca. 140 – 350 g/m ²
5.	Foot traffic (20°C)	after 1 – 6 hours
6.	Consecutive layer (20°C)	after 1 – 6 hours

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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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