

Product 0109000 2-C-EP bonding agent for magnesite screeds, water-dilutable, transparent

1 General Data

Fields of application

VIASOL EP-B900 is used as bonding agent when applying magnesite screeds on hydraulic substrates (cement screed, concrete).

Product description

VIASOL EP-B900 is a high-grade, water-dilutable epoxy resin bonding agent. Due to long processing time the product guarantees an homogeneous bonding between magnesite and cement screed even if large areas are covered.

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.
 Phone: +49 (0)7472-949990
 E-Mail: info@viacor.de

(A) Technical data	
Liquid mixture (A+B)	
1. Solids content	87%
2. Density (20°C)	1.06 g/cm ³
3. Packaging size (2-component container)	Barrel A: 200 kg B: 180 kg bucket A: 20 kg B: 18 kg
4. Color	transparent
5. Shelf life	24 months in closed original container
6. Storage	Dry at 10–25°C, avoid direct sunlight, always keep from freezing

(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 Application method

Substrate preparation

The substrate must be prepared by vacuum shot blasting. Rough contaminations can be removed by grinding.

The surface must have an adhesive strength of minimum 1.5 N/mm². All traces of contaminants such as oils, fats, greases, paint residues, chemicals, algae and laitance should be removed. Cracks and hollow spots must be properly remedied.

VIASOL EP-B900 can be applied directly to the surface if the substrate moisture content does not exceed max. 4 CM % and the surface is absorbent and free from puddles. There should be no water in the pores.

Application

The product (Comp. A+B) is mixed in the exact mixing ratio for approx. 3–4 minutes with a suitable electrical stirrer. After mixing water is added in a 1:2 (max. 1:4) ratio and stirred again. WE recommend 20 l binder plus 40-80 l water for one mixture.

After mixing the product is poured to the substrate and thoroughly brushed to the ground. If the substrate is very adsorbent a second layer is necessary. The magnesite screed is afterwards poured onto the still sticky surface of the bonding agent. The bonding agent should be clear not milky like in the beginning, usually and dependent on the temperature after 1 to 6 hours.

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

Overcoating

The application of the magnesite screed has to be performed while the bonding agent is still sticky, otherwise VIASOL EP-B900 has to be applied again.

(C) Technical data		
Liquid mixture (A+B)		
1.	Mixing ratio A : B	1: 1 Vol. % + 1:2 – 1:4 water
2.	Working time (20°C)	approx. 2 hours
3.	Application temperature:	10 – 30°C (min. 3K above dew point)
4.	Material consumption bonding agent undiluted ready mixture (incl. water)	ca. 100 g/m ² ca. 300 g/m ²
5.	Foot traffic (20 °C)	after 1 – 6 hours
6.	Following coating (20°C)	within 1 - 6 hours

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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 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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