

Product 01028500 2-comp. EP primer for vapour-permeable coatings, water-based, low emission

1 General Data

Fields of Application

VIASOL EP-P285 is used as primer for vapour-permeable coatings, especially on magnesite substrates but also on masonry, calcium sulphate- and cementitious screeds. It can also be used on metallic substrates (see guideline primer) or ask our technical service.

Product Description

VIASOL EP-P285 is a concentrate of a transparent, water-based, solvent-free, low emission, two-component primer based on high-grade epoxy resin. VIASOL EP-P285 is applied with additional water of 15-20%.

VIASOL Systems

VIASOL EP-P285 is the primer for the VIASOL systems:

- VIASOL**PERM**
- VIASOL**PERM** *conductive*
- VIASOL**PERM** *SR*
- VIASOL**PERM** *protective*

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	72 %
2. Density (20°C)	1.8 g/cm ³
3. Packaging size (2-component container)	13,5 kg (12 kg A + 1,5 kg B)
4. Colours	whitish
5. Shelf life (20°C)	12 months, in originally closed container
6. Storage	10-25°C, always keep from freezing (also during transport)

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



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2 Processing Instructions

Substrate Preparation

The substrate must be clean and free of dust and loose particles. All traces of contaminants such as oils, fats, greases, paint residues, chemicals, algae and laitance should be removed. Cracks and cavities must be properly repaired. Before application the substrate must be well grinded and then vacuumed thoroughly. Magnesite floors must be treated with a solution of citric acid, which must be washed off afterwards by using plenty of water. Metal surfaces must be cleaned from oil and it is recommended to grind surface with a steel brush or sanding paper.

Processing

The product is delivered in ready-to-use 2-component containers in the exact mixing ratio. Before starting the application, the material temperature must be close to the temperature of air and substrate. 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. Then the mixture is diluted with clean water (10-20%) depending to the absorbency of the substrate. It should be poured into a different container and stirred again briefly.

VIASOL EP-P285 is poured onto the surface in portions and applied over the entire area using a rubber wiper and rolled then with a short napped roller. The formation of puddles should be avoided. In order to ensure a fast evaporation of the water, the relative air humidity should not exceed 85% during processing and curing.

A second application of VIASOL EP-P285 may be necessary depending on the absorbency of the substrate. VIASOL EP-P285 could also be used as scratch coat filled with fine quartz sand 0.1-0.4 mm (see guideline scratch coats and mortars).

For cleaning of tools and other contaminations use water.

Overcoating

The following coat can be applied within 36 h without grinding, afterwards, the surface has to be ground before overcoating.

(C) Technical Data		
Liquid mixture (A+B)		
1. Mixing ratio A : B		100:12,5 by weight + 21 parts by weight water (2,5 l per 13,5 kg)
2. Processing time (20°C)		approx. 40 minutes
3. Processing / material / ambient temperature:		12 – 25°C (min. 3°C above dew point)
4. Rel. humidity when applied		< 85% (T = 20°C)
5. Material consumption (depending on substrate / per layer)		200 – 400 g/m ²
6. Can be walked on (20°C)		after 6 – 18 hours
7. Consecutive layer (20°C)		within 36 hours
8. Fully capable of withstanding mechanical stress (20°C) chemical stress (20°C)		after 7 days after 28 days

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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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).