

**Product 01428500** 2-comp. EP primer, concentrate, water-based, Green Label certified

## 1 General Data

### Fields of application

VIASOL EP-P285<sup>FF</sup> is used as primer for industrial flooring systems on magnesite substrates, masonry, anhydrite and cementitious screeds.

### Product description

VIASOL EP-P285<sup>FF</sup> is a whitish, water-based, two-component, low emission epoxy primer concentrate. Before application, it must to be diluted with water.

### Characteristics

- High solids and higher DFT
- Low VOC Emission
- Good Adhesion
- Vapour permeable
- Low / no odour
- Solvent free
- Easy application

### VIASOL systems

VIASOL EP-P285<sup>FF</sup> is used as a primer for water-based VIASOL EP-systems as:

VIASOL**PERM**<sup>FF</sup>  
 VIASOL**PERM SR**<sup>FF</sup>  
 VIASOL**PERM conductive**<sup>FF</sup>  
 VIASOL**PERM protective**<sup>FF</sup>  
 VIASOL**PERM DECK**<sup>FF</sup>

### 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 Floorfinder Asia Sdn Bhd directly.

Tel: +603 3290 7644  
 e-mail: [info@floorfinder.com.my](mailto:info@floorfinder.com.my)

| <b>(A) Technical data</b>   |  |
|-----------------------------|--|
| <b>Liquid mixture (A+B)</b> |  |
| 1. Solids content           | 80% concentrate<br>65% diluted product               |
| 2. Density (25°C)           | 1.80 g/cm <sup>3</sup> concentrate                   |
| 3. Viscosity (28°C)         | 200–400 mPas<br>(diluted product)                    |
| 4. Packaging size           | 20 kg (17,8 kg A + 2,2 kg B)<br>add 3L water         |
| 5. Appearance               | whitish  |
| 6. Shelf life               | 12 months in closed original container               |
| 7. Storage                  | Dry and frost-free at 10–30°C, avoid direct sunlight |

| <b>(B) Technical data</b>           |   |
|-------------------------------------|---|
| <b>Cured material</b>               |   |
| 1. Adhesive strength (DIN ISO 4624) | > 1.5 N/mm <sup>2</sup><br>(concrete failure) |

#### Manufacturer:

Floorfinder Asia Sdn. Bhd., No. 28, Lorong Sungai Puloh 1A/KU6, Jalan Sungai Puloh, Batu 5 3/4, 42100 Klang, Selangor Darul Ehsan, Malaysia, tel: +603 3290 7644, email: [info@floorfinder.com.my](mailto:info@floorfinder.com.my), [www.floorfinder.com.my](http://www.floorfinder.com.my) – A division of VIACOR Polymer GmbH Germany

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## 2 Application method

### Substrate preparation

The substrate must be firm, clean, dry and have a tensile strength of 1.5 N/mm<sup>2</sup> minimum.

Repair imperfections (holes and cracks) with an epoxy patching compound such as VIASOL EP-T703<sup>FF</sup> where necessary.

Remove surface laitance, contaminants, coating, curing compound and all weak and loose materials.

Prepare the substrate by mechanical grinding. It must be vacuumed thoroughly.

Magnesite floors must be treated with a solution of citric acid, which must be washed off afterwards by using plenty of water.

### (C) Technical data

#### *Liquid mixture (A+B)*

|  |                                       |
|--|---------------------------------------|
| 1. Mixing ratio A : B                              | 100 : 12,5 by weight + 16 parts water |
| 2. Working time (20°C)                             | approx. 40 minutes                    |
| 3. Application temperature:                        | 10 – 30°C (min. 3°C above dew point)  |
| 4. Material consumption                            | approx. 200-400 g/m <sup>2</sup>      |
| 5. Overcoating (25°C)                              | within 36 hours                       |
| 6. Cure time to withstand:<br>Foot traffic (25 °C) | after 6 - 18 hours                    |

### Application

Before starting the application, the material temperature must be close to site conditions.

Empty contents of component B into component A. Mix with a suitable mixer at a speed of 500 rpm to avoid incorporating excessive air into the mix. Mix for 2 minutes.

**Add 3 litres (or 3 kg) of clean water and mix again for 2 minutes.**

Transfer the mixture into another clean container and mix for 1 minute.

Spread the mixed product onto the surface with a squeegee and back roll with a short nap roller.

Do not apply too thick and do not allow any puddling.

Provide ventilation to ensure that the relative air humidity does not exceed 80% during application and curing as it will inhibit evaporation of water and affect cure.

A second coat of VIASOL EP-P285<sup>FF</sup> may be necessary depending on the porosity of the substrate.

For cleaning of tools and other contaminations use water.

### Overcoating

The following coat can be applied within 36 hours without grinding. If longer, the surface has to be grinded before overcoating.

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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.

#### 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 Floorfinder data sheets are updated on a regular basis it is the users responsibility to obtain the most recent issue (see [www.floorfinder.com.my](http://www.floorfinder.com.my)).

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