

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

1 General Data

Fields of application

VIASOL EP-P285^{VM} is used as primer for industrial flooring systems on magnesite substrates, masonry, anhydrite and cementitious screeds.

Product description

VIASOL EP-P285 VM is a whitish, water-based, two-component, low emission epoxy primer concentrate. Before application, it must be diluted with water.

Features & Benefits

High solids – higher DFT compared to the traditional water-based epoxy primer.

Low VOC Emission – Green Label certified by Singapore Environmental Council.

Good Adhesion to concrete and most building material and other coating or topping systems.

Vapour permeable – suitable for use on green concrete

Low / no odour – does not taint food

Solvent free – non-flammable, non-toxic and environmentally friendly

Easy application – by roller or airless spray for fast installation

(A) Technical data

Liquid mixture (A+B)

1. Solids content	80% concentrate 65% diluted product
2. Density (25°C)	1.80 g/cm ³ concentrate
3. Viscosity (28°C)	200–400 mPas (diluted product)
4. Packaging size	20 kg (17,8 kg A + 2,2 kg B) 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) Technical data

Cured material

1. Adhesive strength (DIN ISO 4624)	> 1.5 N/mm ² (concrete failure)
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VIASOL systems

VIASOL EP-P285^{VM} is used as a primer for water-based VIASOL EP-systems as:

VIASOL**PERM**

VIASOL**PERM SR**

VIASOL**PERM conductive**

VIASOL**PERM protective**

VIASOL**PERM DECK**

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 Asia Sdn Bhd directly.

Tel: +603 5131 7777

e-mail: info@viacor.asia



032-152-3538
Environmentally Preferred
Coating

Manufacturer:

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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/mm² minimum.

Repair imperfections (holes and cracks) with an epoxy patching compound such as VIASOL EP-T703^{VM} 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 ²
5. Overcoating (25°C)	within 36 hours
6. Cure time to withstand: 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 85% during application and curing as it will inhibit evaporation of water and affect cure.

A second coat of VIASOL EP-P285^{VM} 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 VIACOR data sheets are updated on a regular basis it is the users responsibility to obtain the most recent issue (see www.viacor.asia).

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