

**Product 01438000** 3-comp. EP advanced resin scratch/levelling/grouting coat, solvent free, Green Label certified

## 1 General Data

### Fields of application

VIASOL EP-L380<sup>VM</sup> is designed for use as a scratch / coat to seal pores, voids and imperfections on concrete surface before applying VIASOL systems. It is also recommended for use as a levelling compound to improve the evenness of the floor for a better surface finish for the topping.

### Product description

VIASOL EP-L380<sup>VM</sup> is a three-component, advanced resin-based compound with unique rheological properties. It has a thick and yet fluid consistency which makes it a versatile product ideal for sub-base preparation use for its filling, sealing and levelling capabilities.

### Features & Benefits

**High solids** – durable; higher DFT

**Advanced resin system** – tough, versatile, easy application

**Low VOC emission** – Green Label certified by Singapore Environmental Council

**High water vapour permeability** – does not blister in situation subject to hydrostatic pressure

**Good adhesion** to concrete and most building material and other coating or topping systems

**Low / no odour** – environmentally friendly

**Solvent free** – non-flammable and non-toxic

**Self-levelling** – effective for subfloor surface improvement

### VIASOL systems

VIASOL EP-L380<sup>VM</sup> is a scratch / seal coat for concrete surface and a laminating base coat for water-based VIASOL waterproofing systems.

**VIASOL<sup>PERM DECK</sup>**

#### (A) Technical data

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

1. Solids content	83 %
2. Density (25°C)	1.84 g/cm <sup>3</sup>
3. Viscosity (25°C)	2000–4000 mPas
4. Packaging size	27 kg (20.1 kg A + 2.4 kg B + 4.5 kg C)
5. Colours	Grey 1, Grey 2, White, Green, Red and Blue
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 <sup>2</sup> (concrete failure)
-------------------------------------	--

### Care and maintenance

The lifespan & performance of your waterproofing system can be extended considerably by adopting a regular cleaning and care programme

### Technical support

For system build up possibilities and detailed information relating to the installation 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



032-152-3537  
Environmentally Preferred  
Coating

#### Manufacturer:

VIACOR Asia Sdn Bhd, No. 5 Jalan Sungai Terap 32/182, Bukit Rimau Industrial Park, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia, tel: +603 5131 7777, fax: +603 5131 7878, mail: info@viacor.asia, [www.viacor.asia](http://www.viacor.asia) – A division of VIACOR Polymer GmbH Germany

**Product 01438000** 3-comp. EP advanced resin scratch/levelling/grouting coat, solvent free, Green Label certified

## 2 Application method

### Substrate preparation

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

The product can be used on green concrete.

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

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

Prepare substrate by Captive Shot Blasting or Diamond Grinding to provide the appropriate surface profile for optimum mechanical interlocking.

### Application

#### Priming

Apply VIASOL EP-P285<sup>VM</sup> Primer at the consumption rate of min. 0.2 kg/m<sup>2</sup> by roller.

Allow to cure for a minimum of 8 hours but not longer than 24 hours before the application of VIASOL EP-L380<sup>VM</sup>.

#### Applying VIASOL EP-L380<sup>VM</sup>

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

Mix component A for 2 minutes.

Add component C into component A and mix for 2-3 minutes. Mix with a suitable mixer at a speed of 500 rpm to avoid incorporating excessive air into the mix.

Empty contents of component B (Hardener) into mixture and mix for 2 minutes.

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

#### As scratch Coat

Spread the mixed product onto the surface with a trowel.

Press/scratch hard against the surface to push the material to fill and seal the surface.

If a smooth finish is required, it is recommended to carry out a light sanding of the surface before proceeding to apply the top coat.

### (C) Technical data

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

1. Mixing ratio A : B : C	100 : 11.9 : 22.4 by weight (kg)
2. Working time	approx. 25 min. (25°C) approx. 20 min. (30°C)
3. Application temperature	10 – 30°C (min. 3°C above dew point)
4. Material consumption scratch coat thick layer coating	0.8 – 1.2 kg/m <sup>2</sup> 2.5 – 3.0 kg/m <sup>2</sup>
5. Following coating (25°C)	within 24 hours
6. Cure time to withstand: Foot traffic (25 °C) Heavy Traffic (25°C) Exposure to water immersion (25°C)	after 6 - 8 hours after 3 days after 7 days

#### As a Levelling Layer

Apply VIASOL EP-L380<sup>VM</sup> at the consumption rate of 2.5-3.0 kg/m<sup>2</sup> minimum using a pin rake or notch trowel. If necessary, it can be diluted with water to the maximum of 2% by weight to facilitate a better flow.

Do not apply thicker than 2 mm. Provide good 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.

For cleaning of tools and other contaminations use water.

#### Overcoating

The second coat can be applied within 24 hrs without grinding. If longer, the surface has to be grinded before over-coating.

#### Manufacturer:

VIACOR Asia Sdn Bhd, No. 5 Jalan Sungai Terap 32/182, Bukit Rimau Industrial Park, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia, tel: +603 5131 7777, fax: +603 5131 7878, mail: info@viacor.asia, [www.viacor.asia](http://www.viacor.asia) – A division of VIACOR Polymer GmbH Germany

Product 01438000      3-comp. EP advanced resin scratch/levelling/grouting coat, solvent free, Green Label certified

### 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](http://www.viacor.asia)).

#### Manufacturer:

VIACOR Asia Sdn Bhd, No. 5 Jalan Sungai Terap 32/182, Bukit Rimau Industrial Park, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia, tel: +603 5131 7777, fax: +603 5131 7878, mail: [info@viacor.asia](mailto:info@viacor.asia), [www.viacor.asia](http://www.viacor.asia) – A division of VIACOR Polymer GmbH Germany