

**Product 01464800** 2-comp. EP advanced resin based coating, conductive, solvent free, coloured, semi-gloss

## 1 General Data

### Fields of application

VIASOL EP-S6480 AS<sup>VM</sup> is designed for use as a protective coating on concrete, block work, brick and steel surfaces. It is recommended for use in situations subject to light and medium loaded industrial areas, warehouses, pedestrian areas and technical rooms with good cleanability.

### Product description

VIASOL EP-S6480 AS<sup>VM</sup> is a coloured, semi-gloss, conductive, two-component, water vapour permeable, advanced resin based coating with low/no odour and low emission of VOC (volatile organic compounds). It provides a hard wearing and impervious surface that is easily cleaned and resistant to fuels and lubricants as well as most solvents and many chemicals.

### Features & Benefits

**Chemical resistant** – to petroleum oils, solvents and commercial cleaning agents

**Low VOC emission**

**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

**Water impermeable** – waterproof

**Low / no odour** – does not taint food

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

**Highly conductive** – good electrical properties

### VIASOL systems

VIASOL EP-S6480 AS<sup>VM</sup> is used as vapour permeable top coat for the VIASOL system:

VIASOL **PERM protective conductive**

#### (A) Technical data

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

1. Density (25°C)	1.45 g/cm <sup>3</sup>
2. Viscosity (25°C)	4000 - 6500 mPas
3. Packaging size	22 kg (18 kg A + 4 kg B)
4. Colours	VIASOL standard
5. Shelf life	12 months in closed original container
6. 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)
2. Conductivity (DIN EN 1081) (DIN EN 61340-4-1)	≤ 10 <sup>6</sup> Ω (Rg) ≤ 10 <sup>9</sup> Ω (Rg)

### Care and maintenance

The lifespan & performance of your resin floor can be extended considerably by adopting a regular cleaning and care programme. We recommend the use of an alkaline based cleaning agent.

### 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](mailto:info@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

**Product 01464800** 2-comp. EP advanced resin based coating, conductive, solvent free, coloured, semi-gloss

## 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.

Concrete substrate should have no ponded water. The moisture content in the substrate is not relevant.

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. Substrate preparation by shot blasting needs an additional scratch coat or levelling layer.

VIASOL EP-S6480 AS<sup>VM</sup> must be applied on a conductive layer as VIASOL EP-E480 AS<sup>VM</sup>.

### Application

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

Mix component A for 2-3 minutes.

Empty contents of component B (Hardener) into component A (Base Resin). Mix with a suitable mixer at a speed of 500 rpm to avoid incorporating excessive air into the mixture. After mixing for 2 minutes, add the water to dilute and stir for another minute.

We recommend to dilute EP-S6480 AS<sup>VM</sup> with 5-7% water.

Transfer the mixture into another clean container and mix for 1-2 minute.

Spread the mixed product onto the surface with a squeegee or trowel and back roll with a short nap roller in a criss cross manner.

**It is not allowed to apply a second coat on top of VIASOL EP-S6480 AS<sup>VM</sup> as the conductivity gets lost.**

### (C) Technical data

#### Liquid mixture (A+B)

1. Mixing ratio A : B	4.5 : 1 by weight (kg) (100 : 22)
3. Working time	approx. 25 min. (25°C) approx. 20 min. (30°C)
4. Application temperature:	10 – 30°C (min. 3°C above dew point)
5. Material consumption	200 g/m <sup>2</sup> – 370 g/m <sup>2</sup>
6. Following coating (25°C)	within 24 hours
7. Cure time to withstand:	
Foot traffic (25°C)	after 8 - 10 hours
Full mechanical load (25°C)	after 3 days
Full chemical load (25°C)	after 7 days

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

### Over coating

Please ask our technical support.

#### 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

Product 01464800 2-comp. EP advanced resin based coating, conductive, solvent free, coloured, semi-gloss

### 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