

**Product 01023900**
**2-C-EP primer for VIASOL WHG neo systems**

## 1 General data

### Fields of application

VIASOL EP-P239 is used as primer for concrete substrates in chemically resistant VIASOL coating systems according to the German Water Protection Law (WHG). With the addition of suitable fillers, the product can be used as a scratch primer for levelling out uneven substrates.

### Product description

VIASOL EP-P239 is a ready to use, transparent, low-viscosity, solvent-free (total solid) 2-component epoxy resin based primer.

### Properties

- low viscosity
- very good penetration of substrate
- very good adhesion to mineralic substrates
- solvent-free
- suitable for moisture exposure

### VIASOL systems

VIASOL EP-P239 is the primer and levelling product for the VIASOL Systems:

- VIASOL **WHG neo classic**
- VIASOL **WHG neo conductive**

### 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 7472-94999-0

E-Mail: [info@viacor.de](mailto:info@viacor.de)

#### (A) Technical data

##### Liquid Mixture (A+B)

1. Density (23 °C)	1.05 – 1.11 g/cm <sup>3</sup>
2. Viscosity (23 °C)	approx. 300-450 mPas
3. Pack size (2-Component pack)	23 kg (15.86 kg A + 7.14 kg B)
4. Colour	transparent
5. Shelf-life (unopened original container)	Min. 15 months  (Please note the batch imprint on the container*)
6. Storage conditions	Dry, at 15 – 20°C, avoid exposure to direct sunlight

\* First digit corresponds to the final digit of the year, second and third digit correspond to the calendar week until the end of shelf life

#### (B) Technical data

##### Cured Material

1. Pull off strength EN 1542 (after 28 d)	> 2,0 N/mm <sup>2</sup>
2. Shore-D-Hardness (DIN EN ISO 868)	80

### Manufacturer:

VIACOR Polymer GmbH, Graf-Bentzel-Str.78, D-72108 Rottenburg, Tel: +49 7472 94999-0, [info@viacor.de](mailto:info@viacor.de), [www.viacor.de](http://www.viacor.de)

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## 2 Application method

Please also refer to our general application guideline.

### Substrate preparation

The substrate (concrete or cement screed) must be prepared by suitable mechanical methods (shot blasting, milling, etc.). VIASOL EP-P239 can be applied directly at substrate moisture contents of up to max. 4 CM% for concrete quality C30/37 or up to max. 3 CM% for C35/45. The substrate must be sufficiently load-bearing. In addition, it must be free of oily, greasy or separating impurities as well as loose particles, etc. Cracks and cavities must be properly removed beforehand. Compatibility with old coatings must be checked. The substrate temperature must be above 8°C and 3°C above the dew point. Sufficient adhesive tensile strength of the substrate ( $\geq 1.5 \text{ N/mm}^2$  on average, smallest individual value  $\geq 1.0 \text{ N/mm}^2$ ) must be ensured.

### Application

The A-component must be stirred up. The B-component container must be completely emptied into the A-component container. After mixing with an electric stirrer (max. 300 rpm, approx. 3 - 4 min), the mixture is decanted and briefly stirred again. The temperatures of the components must be min. 15°C during mixing.

#### Primer:

The mixed compound is poured in portions onto the surface to be coated and distributed with a rubber pusher and by re-rolling. The primer must be applied in a film-forming and non-porous manner.

#### Scratch coat:

The mixed compound is filled with 1:1 parts by weight of quartz-sand mixture (approx. 0.01-0.5 mm) and, if necessary, VIASOL X906 thixotropic agent is added. The material is spread by means of a smoothing trowel or squeegee with triangular teeth and de-aerated by means of a spiked roller.

#### Inclined/Vertical Surfaces:

When working on inclined surfaces, add an thixotropic agent VIASOL X906, depending on the angle of inclination, up to 2% by weight and on vertical surfaces up to 4% by weight. For the application on the wall, apply as primer and a subsequent scratch coat, with 1:1 parts by weight quartz sand mixture (approx. 0.01-0.5 mm).

Use VIASOL SO-X10 to clean tools and contaminated areas.

### (C) Technical data

#### Liquid mixture (A+B)

1.	Mixing ratio A : B by weight	100 : 45
2.	Working time	
	10°C	ca. 60 min
	23°C	ca. 40 min
	30°C	ca. 20 min
3.	Application conditions	Min: 8°C, 75% rel. humidity Max: 30 °C, 85% rel. humidity (Min. 3°C above dew point)
4.	Consumption	Primer: 300 – 500 g/m <sup>2</sup> Scratch coat: 600 – 700 g/m <sup>2</sup> per mm thickness
5.	Following coating	
	10°C	Min. 24 h, max. 3 d
	23°C	Min. 12 h, max. 3 d
	30°C	Min. 8 h, max. 1 d

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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 Lb products (in the ready to use state) is:  
Stage II (from 2010) < 500 g/l VOC  
In the ready to use state, this product contains less than 500 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](http://www.viacor.de) or contact us directly).

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