

Product 01023600 2-C-EP primer for VIASOL chemical resistant systems

1 General data

Fields of application

VIASOL EP-P236 is used as the primer for concrete, cementitious screeds and rendering in certain chemical resistant coating systems (acc. the German Water Protection Law). With the addition of suitable fillers, the product can be used as a scratch primer for levelling out uneven substrates.

Product description

VIASOL EP-P236 is a ready to use, reddish, transparent, low viscosity 2-component epoxy resin based primer.

Properties

- low viscosity
- very good penetration of substrate
- solvent free

VIASOL systems

VIASOL EP-P236 is the primer and levelling product for the VIASOL Systems:

- VIASOL **WHG classic N**
- VIASOL **WHG conductive N**

Building Inspection Approvals

- Z-59.12-394 for VIASOL **WHG classic N**
- Z-59.12-395 for VIASOL **WHG conductive N**

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.

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(A) Technical data

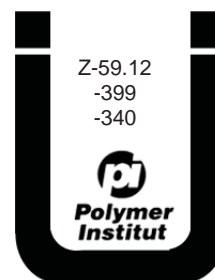
Mixture (A+B)

1. Solids content	99 %
2. Density (20 °C)	1.1 g/cm ³
3. Viscosity (23 °C)	approx. 700 mPas
4. Pack size (2-Component pack)	25 kg (18.75 kg A + 6.25 kg B)
5. Colour	red, transparent
6. Shelf-life (20 °C)	12 months
7. Storage	Dry and frost free at 10 – 25°C, avoid exposure to direct sunlight

(B) Technical data

Cured Material

1. Pull off strength (DIN EN ISO 4624)	> 2,0 N/mm ²
2. Shore-D-Hardness (after 14 d) (DIN EN ISO 868)	80



Manufacturer:

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

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2 Application method

Please refer also to our general application guideline.

Substrate preparation

The concrete or cementitious screed should be clean and dry, free from any loose materials and any other substances which may impair adhesion. The substrate must have a tensile strength of min. 1.5 N/mm² and be capable of bearing loads. The moisture content must not be greater than 4 %. Cracks and hollows must be professionally treated before application. The surface should be mechanically profiled by captive shot blasting. The compatibility of VIASOL EP-P236 to existing coatings must be tested.

Application

The entire contents of the Part B are poured into the Part A and mixed for 3 – 4 minutes with a suitable electrically driven stirrer. The stirrer should be kept submerged in the liquid to avoid the mixing in of air. The mixture should then be emptied into a clean container and mixed for a further minute.

Primer

The mixed material is poured in portions onto the prepared substrate and spread with a squeegee after which the material is worked into the surface by brushing. The primer must form a continuous film and be free of pores. In non-conductive systems, the primer can be broadcast with silica sand (0.4 – 0.7 mm) Consumption approx. 1000 g/m².

Scratch primer

The mixed primer is filled 1 : 1 by weight with silica sand (0.1 – 0.3 mm) and 2 – 3 % by weight of the thixotrope VIASOL X906 and mixed to a homogeneous consistency. Application is by a steel scraper which should be drawn tightly over the primed surface. For application to vertical surfaces, 4 – 6 % of VIASOL X906 should be used.

Covings

VIASOL EP P236 should be mixed at approx. 1 : 10 with the following silica sand mixture:

1 part 0.1 – 0.3 mm

1 part 0.3 – 0.8 mm

1 part 0.7 – 1.2 mm

and applied wet in wet to the primer

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

Overcoating

Before the following coat can be applied, all excess sand must be removed. The following coat should be applied after 1 – 4 days (at 20° C)

(C) Technical data

Liquid mixture (A+B)

1.	Mixing ratio A : B by weight	100 : 33
2.	Working time (20°C)	approx. 30 minutes
3.	Application temperature	10 – 30 °C (min. 3 K above the dew point)
4.	Consumption	300 – 500 g/m ²
5.	Foot traffic (20 °C)	after approx 12 – 18 h
6.	Following coat (20°C)	within 1 – 4 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 or contact us directly).

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