

Product 01020300 2-C-EP primer, substrates with higher moisture content, prefilled, whitish

1 General Data

Fields of application

VIASOL EP-P203 is used as a primer for VIASOL epoxy and polyurethane products. Furthermore it can be used as a moisture barrier for industrial floors with increased residual moisture content in cement-based systems (up to 6 CM %). We recommend a 2-layer application with a film forming layer.

Product description

VIASOL EP-P203 is a filled, ready-to-use, whitish, two-component priming coat having a solvent free resin base. The product is low emission tested accord. AgBB standards and other standards.

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	
Liquid mixture (A+B)	
1. Solids content	99.5%
2. Density (20°C)	1.5 g/cm ³
3. Viscosity (20°C)	1200–2000 mPas
4. Packaging size (2-component container) Barrels:	30 kg (24 kg A + 6 kg B) 3 x 240 kg A 1 x 180 kg B
5. Shelf life	24 months in closed original container
6. storage	Dry at 10–25°C, avoid direct sunlight

(B) Technical data	
Cured material	
1. Adhesive strength (DIN EN ISO 4624)	> 2.5 N/mm ² (concrete failure) min. C30/37



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

Substrate preparation

The substrate must be prepared by vacuum shot blasting. Rough contaminations can be removed by grinding. VIASOL EP-P203 can be applied directly to the surface if the substrate moisture content does not exceed max. 6 CM % and the surface is absorbent and free from puddles. There should be no water in the pores. The surface must have an adhesive strength of minimum 1.5 N/mm². All traces of contaminants such as oils, fats, greases, paint residues, chemicals, algae and laitance should be removed. Cracks and hollow spots must be properly remedied. Before re-topping old coatings, please contact our technical support.

Application

The product is delivered in 2 component containers in the exact mixing ratio or in barrels. Before starting the application, the material has to be heated to ambient temperature (air and floor temperature). If delivered in barrels, the products have to be homogenized by rolling and then the right amount A+B according to the mixing ratio has to be mixed as below. For 2 component containers, the entire contents of the B-component container is emptied into the A-component container. After mixing with a suitable electrical stirrer for approx. 3–4 minutes the mixture is poured into another container and stirred again briefly. The inclusion of air in the stirring process is to be avoided.

The product is applied using a spatula and roller afterwards. It should be particularly ensured that a film-forming, closed surface is produced. As blocking primer for higher residual moisture content up to 6 CM % and in case of rising water we recommend a 2 layer application. To improve inter-layer adhesion the wet primer can be sprinkled slightly with silica sand VIASOL QS0,3-0,8 over the entire area (consumption approx. 800 g/m²). To cover vertical surfaces, add 1–3 % VIASOL X955 thixotropic agent.

For cleaning of tools and other contaminations VIASOL SO-X10 tool cleaner is used.

Overcoating

Overcoating has to take place within 24 hours after application of the layer. Grinding would destroy the closed film of the priming layer.

(C) Technical data	
Liquid mixture (A+B)	
1. Mixing ratio A : B	100 : 25 by weight (kg)
2. Working time (20°C)	approx. 20 minutes
3. Application temperature:	10 – 30°C (min. 3°C above dew point)
4. Material consumption Primer:	min. 300 – 500 g/m ² per layer
Blocking primer:	min 500 – 600 g/m ² without sand scattering + 300 – 400 g/m ² sand scattering if needed
5. Foot traffic (20 °C)	after 12–15 hours
6. Following coating (20°C)	within 12–24 hours
7. fully capable of withstanding stress: mechanical (20°C) chemical (20°C)	after 3 days after 7 days

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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.

Decopaint-Guidelines (EU 2004/42/EG)

The maximum allowable VOC content for Product category IIA j Type Lb 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).

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