Product 01021000 2-C-EP primer for substrates with increased moisture content

1 General Data

Fields of application

VIASOL EP-P210 can be used as a moisture barrier for industrial floors with increased residual moisture content in cement-based systems of up to 6 CM %.
We recommend a film forming 2-layer application. Furthermore it can be used as primer for VIASOL epoxy and polyurethane products.
In addition, VIASOL EP-P210 may also be used as an adhesive base coat for cement composite screeds.

Product description

VIASOL EP-P210 is a filled, ready-to-use, whitish, two-component primer having a solvent free resin base.
It is low emission tested accord. It is free of bisphenol A and benzyl alcohol and almost free of volatile organic compounds (VOC).
AgBB standard and other standards.

VIASOL systems

VIASOL EP-P210 is used as primer for all subsoil with increased humidity up to 6 CM % for all VIASOL EP- and PUR-Systems.
The product was tested according to EN 1504-2 for surface protection systems for concrete products in the VIASOL systems
VIASOL ***DECK 11a plus***
VIASOL ***DECK 11b plus***

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 (0)7472-949990
E-Mail: info@viacor.de

(A) Technical data		
Liquid mixture (A+B)		
1.	Solids content	99%
2.	Density (20°C)	1.41 g/cm^3
3.	Viscosity (20°C)	1500–2500 mPas
4.	Packaging size (2-component container)	25 kg (18,9 kg A + 6,1 kg B)
5.	Shelf life	24 months in closed original container
6.	Storage	Dry at 10–25°C, avoid direct sunlight
7.	Features / benefits	Bisphenol-A and benzyl alcohol-free Almost VOC-free

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

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2 Application method

Please see also our general processing instructions.

Substrate preparation

The substrate must be prepared by vacuum shot blasting. Rough contaminations can be removed by grinding.
VIASOL EP-P210 can be applied directly to the surface if the substrate moisture content does not exceed max. 6 CM % and the surface is absorbend 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. Before starting the application, the material has to be heated to ambient temperature (air and floor temperature). 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. To cover vertical surfaces, add 1–3 % VIASOL X955 thixotropic agent.
If used as a primer for subsoils with humidity up to 4 CM% the product is applied only once using a spatula and roller afterwards.
For subsoils with increased humidity of 4-6 CM% the product has to be applied twice, using a spatula. It should be particularly ensured that a film-forming, closed surface is produced. The first layer must not be sprinkled over with quartz sand. The second layer can be rolled with a short pile roller usually 12 h after the application of the first layer.
To improve inter-layer adhesion the wet primer can be sprinkled slightly with silica sand VIASOL QS 0,3-0,8 over the entire area (consumption approx. 800 g/m²).

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 : 32 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: Blocking primer:	 min. 300 – 500 g/m² per layer min 500 – 600 g/m² without sand scattering + 300 – 400 g/m² 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 7 days after 28 days

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3 Further information

CE-Mark

CE-Mark according to EN 1504-2
Details see CE-conformity mark and conformity declaration.

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 characeristics 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 characteritics of the product.
Due to different materials, sub-bases and working conditions, no guaratee 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 vialation 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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