

Product 01130030 2-comp.-EP levelling layer for VIASOL *DESIGN*, low emission, white

## 1 General Data

### Fields of application

VIASOL EP-N1300 produces joint-free, non-porous levelling layers. Filling the product with VIASOL QNV silica sand allows the levelling of major unevennesses.

### Product description

VIASOL EP-N1300 is a pigmented, ready-to-use, low odour and solvent free 2-component levelling compound of high-grade epoxy resin and fillers. The construction product is tested according to the DIBt emission principles and meet the AgBB requirements.

### VIASOL Systems

VIASOL EP-N1300 serves as a levelling layer for all VIASOL *DESIGN* systems.

### 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](mailto:info@viacor.de)

#### (A) Technical data

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

1. Solids content	> 99 %
2. Density (20°C)	1.1 g/cm <sup>3</sup>
3. Viscosity (20°C)	400 – 800 mPas
4. Packaging size (2-component container)	28.6 kg (20 kg A + 8.6 kg B)
5. Colours	white
6. Shelf life	12 months in originally closed container
7. Storage	Dry at 10–25°C, avoid direct sunlight

#### (B) Technical data

##### *Cured material*

1. Adhesive strength (DIN EN ISO 4624)	> 1.5 N/mm <sup>2</sup> (concrete failure)
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#### 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

For detailed information concerning the application of VIASOL **DESIGN** products please refer to the VIASOL **DESIGN** application guide.

### Substrate preparation

The substrate must be prepared by vacuum shot blasting. Rough contaminations can be removed by grinding. The surface must be load bearing and have an adhesive strength of minimum 1.5 N/mm<sup>2</sup>. 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 retopping old coatings, please contact our technical support.

VIASOL EP-N1300 can be applied directly to the surface if the substrate moisture content does not exceed max. 4 CM %. Otherwise please contact our technical service.

If the temperature falls below 15°C or if only small areas are coated, the accelerated version VIASOL EP-N1300 S can be used instead.

### Application

The A-component is stirred for about 2–3 minutes. Then the entire contents of the B-component are emptied into the A-component and both components are stirred for at least 2–3 minutes using a mechanical stirrer. The inclusion of air in the stirring process must be avoided. The mixture is poured into a different container and stirred again briefly. The product can be filled with silica sand VIASOL QNV. For partial mixtures, component A must be stirred well before the partial withdrawal.

VIASOL EP-N1300 is poured onto the surface and spread over the entire area to the required thickness with a non-serrated spatula, flattening knife or trowel. Trowel lines and the formation of puddles must be avoided.

To enhance inter-coat adhesion the damp coating can be sprinkled with silica sand VIASOL QNV.

See VIASOL **DESIGN** application guide.

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

### Overcoating

See VIASOL **DESIGN** application guide.

(C) Technical data	
<b>Liquid mixture (A+B)</b>	
1. Mixing ratio A : B	100 : 43 (by weight)
2. Processing time (20°C)	20 – 25 min.
3. Processing temperature	12– 30°C (min. 3K above dew point)
4. Material consumption (depending on substrate)	400 – 800 g/m <sup>2</sup>
5. Foot traffic (20°C)	after 12–15 hours
6. fully capable of withstanding stress:	
mechanical (20°C)	after 7 days
chemical (20°C)	after 28 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](http://www.viacor.de) or contact us directly).

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