

Product 01171210 2-comp. EP finish for VIASOL*DESIGN*, low odour, transparent

### 1 General data

#### Fields of application

VIASOL-EP-F712 LO is used as a transparent finish for VIASOL*DESIGN* systems. It is applied in one or several layers.

Applications include public buildings, shops, entrance halls, offices, laboratories, production halls, showrooms and wholesale markets.

#### Product description

VIASOL EP-F712 LO is a transparent, low odour, ready to use 2-component epoxy finish with structured viscosity based on high quality epoxy resins with a reduced tendency to yellow. VIASOL EP-F712 LO is used to produce tough, hard, pore free, seamless floor coatings. The coatings are robust and easy to clean and maintain. In general, epoxy resins are not colour stable if exposed to UV light or under influence of weathering. Even if using a product with reduced yellowing, colour changes may occur especially with grey/blue and light colours. Depending on the chemical exposure discolorations can't be excluded but the technical properties are not influenced by this. Other causes of discoloration may be dyes in foods and beverages (such as coffee, red wine, cola, curry, paprika, etc.), hair coloring and bleaching agents but also highly concentrated disinfectants and detergents. We recommend to apply a colour stable sealer or in kitchens for example VIASOL PU-S667N.

#### Properties

- low yellowing transparent epoxy resin
- solvent free
- good self-leveling and deaerating properties
- good wear resistance
- for with colored quartz sand broadcasted coatings
- slightly thixotropic properties

#### VIASOL Systems

VIASOL EP-F712 LO is the finish for the VIASOL systems:

VIASOL*DESIGN* QCV  
 VIASOL*DESIGN* QCV *conductive*  
 VIASOL*DESIGN* QNV

#### Care and maintenance

For a long-term preservation of the properties of resin floors, we recommend a regular cleaning and care programme. For further details see our VIASOL Care and Maintenance Guide. Before first use we recommend to perform a basic cleaning and initial care.

#### 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)

#### (A) Technical data

##### Mixture (A+B)

1. Solids content	99 %
2. Density (20°C)	1.1 g/cm <sup>3</sup>
3. Viscosity (20°C)	700 - 1000 mPas
4. Pack size (2-Component pack)	18 kg (12.3 kg A + 5.7 kg B)
5. Colour	transparent
6. Shelf-life (20 °C)	12 months in originally closed container
7. Storage	Dry and frost free at 10 – 25°C, avoid exposure to direct sunlight

#### (B) Technical data

##### Cured material

1. Adhesive strength (DIN EN ISO 4624)	> 2.5 N/mm <sup>2</sup>
2. Shore-D-Hardness (DIN EN ISO 868)	80

#### 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)

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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.  
Please refer also to our general application guideline.

### Substrate preparation

The surface to which VIASOL EP-F712 LO is applied must be clean and free of any substances which may impair adhesion. During application, special attention should be given to the cleanliness of the application tools and clothing worn by the applicator.  
See VIASOL**DESIGN** application guide.

### Application

The Part A should be stirred for min. 1 – 2 minutes after which the entire contents of the Part B are added before mixing for min. 2 – 3 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.

During the application of VIASOL EP-F712 LO, the application tools and the clothing worn by the applicators must be absolutely clean.  
See VIASOL**DESIGN** application guide.

After application the material has to be protected from water and humidity for minimum 48 hours (at 20°C) to ensure optimal curing.

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

### Overcoating

See VIASOL**DESIGN** application guide.

### (C) Technical data

#### Mixture (A+B)

1.	Mixing ratio A : B	100 : 59 by weight
2.	Working time (20 °C)	approx. 20 – 25 minutes
3.	Application temperature	10 – 30 °C (min. 3 K above the dew point)
4.	Consumption (per coat)	approx. 350 – 700 g/m <sup>2</sup>
5.	Foot traffic (20°C)	after approx.. 24 h
6.	Full cure (20°C)	7 d

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### 3 Further information

#### CE-Mark



##### CE-Mark according to DIN 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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