

Product 01071200 2-C EP pore sealer / sealer, low odour, solvent free, transparent

1 General data

Fields of application

VIASOL-EP-T712 is used as a transparent epoxy sealer in the colour quartz system VIASOL **UNIVERSAL SR (SAFEGUARD)**. It is particularly suited for application in multi, thin layer applications.

Applications include public buildings, shops, entrance halls, offices, showrooms and doctor's practices.

In addition, VIASOL EP-T712 is used as binder, top coat and pore sealer in the system VIASOL **COMPACT** where its reduced tendency to yellowing is of advantage.

Here applications can be found in supermarkets, breweries, production halls, slaughter houses and wet areas in the food processing industries.

Product description

VIASOL EP-T712 is a transparent, ready to use, low viscosity 2-component epoxy sealer or pore sealer based on high quality epoxy resins with a reduced tendency to yellow. VIASOL EP-T712 is used to produce tough, hard, pore free, seamless floor coatings with a very high resistance to foot traffic. 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 to apply 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
- für top coats with microbeads

VIASOL Systems

VIASOL EP-T712 is the top coat in the VIASOL Systems:
 VIASOL **UNIVERSAL SR (SAFEGUARD)**
 VIASOL **COMPACT**
 VIASOL **CUISINE**

Manufacturer:

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

(A) Technical data

Mixture (A+B)

1. Solids content	99 %
2. Density (20°C)	1.1 g/cm ³
3. Viscosity (20°C)	700 – 1000 mPas
4. Pack size (2-Component pack)	18 kg (11.3 kg A + 6.7 kg B)
5. Colour	transparent
6. Shelf-life (20 °C)	24 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. Pull off strength (DIN EN ISO 4624)	> 1.5 N/mm ²
2. Shore-D-Hardness (DIN EN ISO 868)	80

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.

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

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2 Application method

Please refer also to our general application guideline.

Substrate preparation

The surface to which VIASOL EP-T712 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. VIASOL EP-T712 must be applied within 24 h of the application of the previous coat

Application

During the application of VIASOL EP-T712, the application tools and the clothing worn by the applicators must be absolutely clean. Lint free over-shoes should be worn.

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.

VIASOL UNIVERSAL SR (SAFEGUARD)/CUISINE:

Sealing of a coating which has been broadcast with sand is done by pouring out the VIASOL EP-T712 in portions and spreading with a mohair roller. Avoid ponding. If necessary apply a number of thin coats.

VIASOL **COMPACT**: After curing, the mortar must be sealed with one or more roller applications of VIASOL EP-T712 depending on the porosity.

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

It is not necessary to abrade the surface if the application takes place within 24 h. After 24 h, the application can only take place after a careful grinding of the surface.

(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 ²
5. Foot traffic (20°C)	after approx.. 24 h
6. Overcoating (20°C)	within 12 – 24 h
7. 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 or contact us directly).

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