

Product 01011500      2-comp. EP substrate reinforcement, low viscosity, solvent-free

## 1 General Data

### Fields of application

VIASOL EP-I115 is used as substrate reinforcement for the stabilization of hydraulic screeds. It can be used indoor and outdoor.

It can also be used as repair resin for filling of cavities, cracks and other defects in hydraulic screeds.

### Product description

VIASOL EP-I115 is a transparent, solvent-free, ready-to-use two-component substrate reinforcement having an epoxy resin base. Due to the low viscosity a good penetration of the substrate is achieved. The product stays slightly sticky during the first 2-3 days after application.

### 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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<b>(A) Technical data</b>	
<b>Liquid mixture (A+B)</b>	
1. Solids content	approx. 100 %
2. Density (20°C)	approx. 1.08 g/cm <sup>3</sup>
3. Viscosity (20°C)	200–400 mPas
4. Packaging size (2-component container)	18 kg (14.2 kg A + 3.8 kg B)
5. Shelf life	24 months in closed original container
6. storage	Dry at 10–25°C, avoid direct sunlight

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## 2 Application method

Please refer also to our general application guideline.

### Substrate preparation

VIASOL EP-I115 can be applied directly to the surface if the substrate moisture content does not exceed 4 CM % and the surface is absorbend and free from puddles. 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 application the adhesive strength of the substrate should be measured to determine the field of application. After application the surface should have an adhesive strength of minimum 1.5 N/mm<sup>2</sup>.

### Application

The product is delivered in 2 component containers in the exact mixing ratio. The entire content 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.

If used as substrate reinforcement, the product is poured on the substrate and distributed using a roller. If a coating system shall be applied, we recommend to use a primer (e. g. VIASOL EP-P210) afterwards.

For filling of cavities: Injection packers are places on the cavities and are filled with the ready mixed material and pressed until it comes out of the next packer.

For filling of cracks: Depending on the condition and quality of the substrate, cracks can either be filled completely with the reaction resin. Alternatively, for greater stabilization, the crack can be widened by means of a saw and cross-cut approximately every 20-30 cm. Crack anchors are inserted into the cross-sections and the crack is then completely filled with the reaction resin. In the case of absorbent substrates, it may be necessary to fill several times. The material should be lightly sanded with quartz sand, e.g. VIASOL QS 0.3-0.8 mm.

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

### Overcoating

Overcoating should to take place after curing (8-12 h) but latest within 15 hours after application of the layer.

### (C) Technical data

#### Liquid mixture (A+B)

1. Mixing ratio A : B	100 : 27 by weight
2. Working time (20°C)	approx. 50 minutes
3. Application temperature:	10 – 30 °C (min. 3 K above dew point)
4. Material consumption (depending on substrate)	300 – 600 g/m <sup>2</sup>
5. Foot traffic (20 °C)	after 8 – 12 hours
6. Following coating (20°C)	within 8 – 15 hours
7. fully capable of withstanding stress: mechanical (20°C) chemical (20°C)	after 3 days after 7 days

#### Manufacturer:

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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).