

Product 01094020 2-comp. EP bonding agent and joint filler for tiles, conductive, fast curing

1 General Data

Fields of application

VIASOL EP-B940S is a 2-component binder system, which is used especially for agglutinating and grouting electrically conductive flagstones and tiles.

Fields of application are for example in breweries, dairies, slaughterhouses, beverage filling stations and others.

Product description

VIASOL EP-B940S is a high grade, water and/or ethanol-cleanable, solvent-free, low-viscosity binder system based on high-grade epoxy resin.

It possesses a good resistance against non-oxidising mineral acids.

Technical Support

For detailed descriptions of VIASOL systems see VIASOL system planer or contact our technical support.

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)	1,1 g/cm ³
3. Packaging size (2-component container)	20 kg (14,1 kg A + 5,9 kg B)
4. Colour	black
5. Shelf life (20°C)	24 months in originally closed container.
6. storage	Dry at 10-25°C, avoid direct sunlight

(B) Technical data	
Cured material	
1. Adhesive strength (DIN EN ISO 4624)	> 2,5 N/mm ²
2. Resistance to earth (DIN EN 1081)	< 10 ⁸ Ω

Manufacturer:

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

Product 01094020 2-comp. EP bonding agent and joint filler for tiles, conductive, fast curing

2 Application method

Substrate Preparation

The substrate must be prepared by vacuum shot blasting. Rough contaminations can be removed by grinding. Usually, VIASOL EP-B950 L or VIASOL EP-B950 S is used for bonding of the tiles or in a mineral mortar bed on a copper band mash.

The surface should have an adhesive strength of minimum 1.5 N/mm². All traces of contaminants such as oils, fats and substances that impair adhesion should be removed. Cracks and hollows must be properly remedied.

Application

The product is delivered in ready-to-use 2-component containers in the exact mixing ratio. The A-component must be stirred for at least 2–3 minutes. Then the entire content of the B-component is emptied into the A-component container and the two components are mixed until homogeneous using a suitable electric stirrer (for at least 2–3 minutes). The inclusion of air in the mixing process is to be avoided. The mixture is poured into another container and briefly stirred again. Before application VIASOL SC fillers coarse and fine are added in a 1:1 ratio and thoroughly mixed.

When applied at temperatures > 20°C, we recommend the use of the accelerated version VIASOL EP-B940 L.

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

Reworking

After ca. 16 – 24 hours of hardening at 20°C, the tiles are fixed as far as that the jointing can be begun. The processing of the joint compound is done according to the amplitude of the tiles and by consequence also after formulation either with a flagstone iron or with a flexible rubber spatula. The excess of joint compound on the flagstones is washed off within the next hour with a sponge and warm water or later with ethanol. Afterwards or after the gelification of the joint compound, the rest of the dispersed binder is removed with a dry cloth so that no mat fog stays on the flagstones.

(C) Technical Data

Liquid mixture (A+B)

1.	Mixing ratio A : B	100 : 42 by weight
2.	Processing time (20°C)	Approx.. 45 minutes
3.	Processing temperature	15-25°C (min. 3°C above dew point)
4.	Can be walked on (20°C)	after 12 - 18 Std.
5.	Jointing (20°C)	after 12 - 18 Std.
6.	Chemical stress (20°C)	after 7 days

Manufacturer:

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

Product 01094020 2-comp. EP bonding agent and joint filler for tiles, conductive, fast curing

3 Further information

CE-Mark



CE-Mark according to EN 13813

EN 13813 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 or contact us directly).

Manufacturer:

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