

# KLB-SYSTEM EPOXID

## EP 1270

Solvent-free, low-viscosity priming resin

### Packaging units



| Article no. | Packaging     | Content (kg) | Units/pallet |
|-------------|---------------|--------------|--------------|
| AK1052-92   | Combi can     | 1.00         | 240          |
| AK1052-50   | Bucket combo  | 10.00        | 30           |
| AK1052-30   | Hobbock combo | 30.00        | 12           |

### Product characteristics

|                              |  |
|------------------------------|--|
| Mixing ratio parts by weight | A : B = 100 : 46   |
| Processing time              | 90 minutes at 20 °C / 68 °F                                |
| Processing temperature       | Minimum 5 °C / 41 °F (room and floor temperature)          |
| Curing time (accessibility)  | 24 - 36 hours at 20 °C / 68 °F                             |
| Curing                       | 7 days for resistance at 20 °C / 68 °F                     |
| Consumption                  | Approx. 1.1 kg resin / 1 l volume                          |
| Shelf life                   | 12 months (originally sealed) – <b>Protect from frost!</b> |

### Product description

**KLB-SYSTEM EPOXID EP 1270** is a solvent-free 2-component reactive synthetic material on the basis of epoxy resin. Because of its low viscosity and very good wettability properties, the resin is highly suitable for priming or grouting cracks by injection. Adjusted to be only slowly reacting, the material penetrates in all pores, cracks and capillaries, thus resulting in a force-fit bond after curing.

**KLB-SYSTEM EPOXID EP 1270** can also be used for manual grouting.

**KLB-SYSTEM EPOXID EP 1270** cures even at low temperatures and without shrinkage, while offering high adhesion.

### Area of application

- For force-fit injections on concrete, for bonding concrete and also for grouting cracks and hollow layers.

### Product features

- Total Solid according to GISCODE ( test method «Deutsche Bauchemie»)
- free of deleterious substances against varnish
- lower viscosity
- good wetting properties
- very high adhesion

#### Technical data

|                           |      |      |                                   |
|---------------------------|------|------|-----------------------------------|
| Viscosity - Component A+B | 400  | mPas | DIN EN ISO 3219 (23 °C / 73.4 °F) |
| Density - Component A+B   | 1.10 | kg/l | DIN EN ISO 2811-2 (20 °C / 68 °F) |

The values established in tests are average values. Deviations from the product specification may occur.

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#### Substrate

The substrate to be coated must be sufficiently resistant to tension and compression, clean and free from weakly-bonded components or sanding elements, but also from any contamination such as grease, oil, paint residues, etc.

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#### Mixing

Combo-packaging will be supplied in the correctly measured mixing ratio. The package of Component A has sufficient volume to contain the entire packaging unit. Empty all of the hardener compound B into the resin. Blend carefully for at least 3 minutes. Premix the resin before adding any additives.

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#### Processing

The grouting is carried out right after mixing with a suitable injection press. If cracks are grouted, injection packers are to be placed with crack flanks being dammed 10 cm wide. Start from the innermost side. At the last packer, the backfilling has to be controlled by resin leakage. After approx. 30 minutes, a subsequent pressing sequence can be carried out. Packer and tamping can be removed the next day. Wide cracks can be closed manually or glued with a brush. Hollow layer filling is done by multiple drilling and grouting.

Floor and air temperature must not fall below 5 °C / 41 °F and humidity should not exceed 75 %. The specified hardening times apply for 20 °C / 68 °F. Lower temperature may increase; higher temperature may decrease the curing and processing times.

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#### Cleaning

To remove fresh contamination and to clean tools, use thinner **VR 24** immediately. Hardened material can only be removed mechanically.

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#### Storage

Store in dry and at frost-free conditions. Ideal storage temperature is between 10 - 20 °C / 50 - 68 °F. Bring to a suitable processing temperature before application. Tightly re-seal opened containers and use up the content as soon as possible.

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#### Special remarks

The product is regulated by the German Ordinance on Hazardous Substances (GefStoffV), the German Ordinance on Industrial Safety and Health (BetrSichV), and transport regulations for hazardous goods. The necessary information is contained in the DIN Safety Data Sheet. Observe all identification information on the container label!

GISCODE: RE55

#### Indication of VOC-content:

(EG-Regulation 2004/42) Maximum Permissible Value 500 g/l (2010,II,j/lb): Ready-for-use product contains < 500 g/l VOC.

CE marking

|  |                    |
|--|--------------------|
|     |                    |
| KLB Kötztal Lacke + Beschichtungen GmbH<br>Günztalstraße 25<br>FRG-89335 Ichenhausen |                    |
| 17   |                    |
| EP1270-V1-022017   |                    |
| DIN EN 13813:2003-01   |                    |
| Synthetic resin screed mortar<br>DIN EN 13813: SR-B1.5-AR0.5-IR5                     |                    |
| Fire behaviour   | E <sub>f</sub> -s1 |
| Emission of corrosive substances   | SR                 |
| Wear resistance BCA  | AR 0.5             |
| Adhesive tensile strength  | B 1.5              |
| Impact resistance  | IR 5               |



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All stated information is based on our experience and technical preparation. We guarantee the correct and proper quality of our products. We do not assume any responsibility for the work not carried out by us, since we have no influence on the processing or processing conditions. We recommend on-site trials to be conducted. With appearance of this new KLB product information, all prior information loses validity. The updated version is available on our website [www.klb-koetztal.com](http://www.klb-koetztal.com). In addition, our "General Terms and Conditions" apply.