

KLB-SYSTEM EPOXID

EP 82 Fugenmastik

Paste-like 2-component epoxy resin compound for producing mouldable concave covings and for repair works

Packaging units



Article no.	Packaging	Content (kg)	Units/pallet
AK3039-58	Bucket combo	7.00 kg	40

Product characteristics

Mixing ratio parts by weight	A : B = 3 : 1
Processing time	35 - 45 minutes at 10 °C / 50 °F 15 - 25 minutes at 20 °C / 68 °F 10 - 15 minutes at 30 °C / 86 °F
Processing temperature	Minimum 10 °C / 50 °F - Maximum 30 °C / 86 °F (room and floor temperature)
Curing time (accessibility)	18 - 24 hours at 10 °C / 50 °F 8 - 12 hours at 20 °C / 68 °F 6 - 8 hours at 30 °C / 86 °F
Curing	2 - 3 days until mechanical load at 20 °C / 68 °F 7 days until chemical load at 20 °C / 68 °F
Further coatings	After curing, but after 48 hours at the latest at 20 °C / 68 °F
Consumption	0.8 - 1.4 kg/m ² per running metre
Packaging	Bucket combo 16 kg Combo can 1 kg
Colours	Grey
Shelf life	12 months (originally sealed)

Product description

KLB-SYSTEM EPOXID EP 82 Fugenmastik is a paste-like, solvent-free, rigid-hardening 2-component epoxy resin compound, which can be used above all for producing concave or triangular covings. In addition to this, also for filling joints, break-outs, damage spots and holes, or for levelling layers.

KLB-SYSTEM EPOXID EP 82 Fugenmastik is supplied as ready-to-use compound with a stable consistency in components matched to each other. It is flexible, paste-like and easy to spread or apply. The product is characterised by its largely shrinkage-free and rapid curing.

With its fine-grained composition, **KLB-SYSTEM EPOXID EP 82 Fugenmastik** can be pulled down to zero, which leads to non-porous surfaces that can be easily finished with a top sealer. The smooth and stable setting is particularly suitable for the production of concave or triangular covings. The product is ready-to-use and offers the advantage of uniform consistency and quality. This allows for easy and quick processing, which makes it possible to model covings in uniform appearance. On-site mixing is no longer necessary.

Once cured, the product is resistant to water, aqueous solutions, salt, diluted acids, bases, as well as petrol, diesel or mineral oil.

Area of application

- For producing dense concave or triangular coverings.
- Stable reactive resin adhesive for repair works on concrete floors or screed before the application of coatings, but also suitable for filling joints, break-outs, damage spots, holes or for levelling layers.

Product features

- stable setting
- easy application
- can be pulled to 0 mm
- rapid-setting
- Total Solid according to GISCODE (Test method "Deutsche Bauchemie")
- good processing properties
- good resistance to water and chemicals

Technical data

Density - Component A+B	1.59	kg/l	DIN EN ISO 2811-2 (20 °C / 68 °F)
Shore-hardness D	64	-	DIN 53505 (after 7 days)

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

Substrate

The substrate to be coated must be even, dry, free of dust, sufficiently resistant to tension and compression as well as be free from weakly-bonded components or surfaces. Materials impairing adhesion such as grease, oil and paint residues should be removed beforehand with suitable measures. Observe the notes provided in the product information for the products used as well as the information issued by the trade associations, e.g. the most recent versions of BEB worksheets KH-0/U and KH-0/S. Surfaces suitable for priming are concrete (at least C20/25) and cement screed CT-C35-F5, as well as other sufficiently solid substrates.

The substrate has to have adequately high strength for the intended occupational use. The substrates to be coated should be prepared mechanically, preferably by grinding. The surface strength must then be at least 1,5 N/mm². Old substrates must be cleaned before any mechanical preparation. If old synthetic resin surfaces are being sealed, it is necessary to check that sufficient adhesion is achieved. If in doubt, we recommend processing a sample area.

Mixing

Combo-packaging will be supplied in the correctly measured mixing ratio. The package of Component A has sufficient volume for the entire packaging unit. Empty all of the hardener compound B into the resin component. Blend with a slow speed mixer (200 - 400 r/pm) for at least 3 minutes until a homogeneous, streak-free compound forms. To prevent mixing errors, empty ("repot") the entire resin/hardener mixture into a clean container and mix it once again briefly. Ensure sufficient mixing in the bottom and corner areas of the container.

Processing

Apply the material right after mixing on the prepared surface. Depending on shape and appearance, coverings are formed using a suitable tool, which is guided along the "corner" of the applied material, under light pressure. Always work "fresh-in-fresh" to avoid any shoulders and keep the tools clean, using thinner if necessary. Suitable tools are available from KLB or other manufacturers.

Tools can be cleaned in the meantime with small quantities of **VR 28** or **VR 33**.

For repair works on concrete floors or screeds, **KLB-SYSTEM EPOXID EP 82 Fugenmastik** can be primed wet-in-wet with an epoxy resin base coat.

Floor and air temperature must not fall below 10 °C / 50 °F and humidity should not exceed 75 %. The difference in floor and room temperature must remain less than 3 °C / 3 K/ 5.4 °F so as not to impede the curing process. If a dew-point situation arises, regular curing will not be possible with hardening problems to occur. The specified curing times apply for 20 °C / 68 °F. Lower temperature may increase; higher temperature may decrease the curing and processing times. If the working conditions are not complied with, the technical properties of the end product may deviate from those specified.

Cleaning

To remove fresh contamination and to clean tools, use thinner **VR 28** or **VR 33** immediately. Hardened material can only be removed mechanically.

Storage

Store in dry and at frost-free conditions. Ideal storage temperature is between 15 - 20 °C / 59 - 68 °F. Tightly re-seal opened containers. Bring to a suitable working temperature before application.

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: RE90

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.



Please consider the latest version of this product information on our website.

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 in individual cases. With the publication of this new KLB product information, all prior information loses validity. The latest version is available electronically on our website www.klb-koetzal.com. In addition, our "General Terms and Conditions" apply.