KLB KÖTZTAL
Lacke + Beschichtungen GmbH

KLB-SYSTEM POLYURETHAN
PU 62 Elasticmastik

Paste-like, mouldable 2-component polyurethane compound for producing viscoplastic concave or triangular covings, but also for filling joints, break-outs, damage spots and holes, or for levelling layers. Solvent-free. Ready-to-use compound with a stable consistency, that is flexible, paste-like and easy to spread or model. Can be pulled down to zero, cures to be largely shrink-free and deformable.

Packaging units

Article no.	Packaging	Content (kg)	Units/pallet
AK6211-55	Bucket combo	8.00 kg	30
AK6211-16	Bucket combo	16.00 kg	30

Product characteristics

Mixing ratio parts by weight	A : B = 7 : 1
Processing time	20 - 30 minutes at 20 °C / 68 °F
Processing temperature	Minimum 10 °C / 50 °F (room and floor temperature)
Curing time (accessibility)	4 - 6 hours at 20 °C / 68 °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/m² depending on usage
Packaging	Bucket combo 16 kg
Colours	Brown-beige
Shelf life	12 months (originally sealed)

Product description

KLB-SYSTEM POLYURETHAN PU 62 Elasticmastik is a paste-like, elastic and low-VOC 2-component polyurethane compound, which can be used above all for producing concave or triangular covings. In addition to this, also for filling break-outs, damage spots or holes. The product retains its viscoplastic properties and can follow certain deformations.

KLB-SYSTEM EPOXID EP 82 Fugenmastik is available as rigid-curing version on the basis of an epoxy resin.

KLB-SYSTEM POLYURETHAN PU 62 Elasticmastik 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 POLYURETHAN PU 62 Elasticmastik** can be pulled down to zero, which leads to non-porous surfaces that can be easily finished. 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.

KLB-SYSTEM POLYURETHAN PU 62 Elasticmastik is certified by EUROFINS and **EMICODE EC1 Plus**; thus meets the requirements for a sustainable building certification according to DGNB, LEED or BREEAM; not only the German requirements of AgBB or ABG, but also the emissions regulations of many other European countries.

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 flexible concave or triangular covings.
- For levelling works on small surfaces.

Product features

- tested, low-emission quality
- EMICODE EC 1 plus certified
- compliant with AgBB and suitable for recreation rooms
- viscoplastic
- can be pulled to 0 mm
- stable setting
- easy application
- good interlayer adhesion
- rapid-setting
- very economical

Technical data

Solid content	100	%	KLB method
Density - Component A+B	1.62	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.

Tests

The following external test certificates are available:

- Certified as low-emission according to EMICODE with the EC1 Plus label. Compliant with AgBB.

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, covings 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**.

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: PU40

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.

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