System C4
KLB LOW-VOC PHARMA EP Screed

Low-emission, smooth epoxy resin decorative mortar coating (Terrazzo)

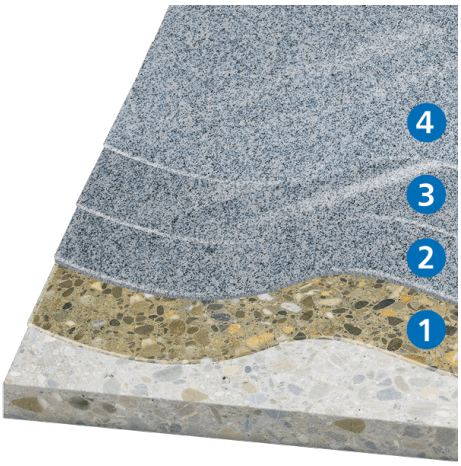


Low-emission, smooth, multi-layered mortar coating on the basis of epoxy resin and coloured sand mixtures, smoothed manually or mechanically and with several subsequent sealing layers. Smooth, pore-free, decorative coating which is suitable for floors exposed to medium or higher mechanical loads, even with light industrial truck traffic.

Typical areas of application are, for example, the pharmaceutical sector with clean rooms, museums, exhibitions as well as several other commercially or industrially used areas that pose decorative requirements to the floor.

The system complies with the requirements posed by Indoor Air Comfort Gold. The components of this build-up have been certified for sustainable building according to DGNB, LEED or Minergie ECO.

Alternative systems: plain-coloured, low-emission coating **System C1**, **System A7** without any requirements on low emissions.



4. Top sealer **KLB-SYSTEM POLYURETHAN PU 811 E**
3. Pore-filler **KLB-SYSTEM EPOXID EP 172**
2. Mortar coating with **KLB-SYSTEM EPOXID EP 158** and a **coloured sand mixture**
1. Primer **KLB-SYSTEM EPOXID EP 57,** openly scattered with quartz sand **KLB-Quarzsand 0.7/1.2 mm**

System build-up

Layer	See product information for more details
Total layer thickness	approx. 5 - 10 mm
Top sealer (4)	**KLB-SYSTEM POLYURETHAN PU 811 E**** **alternatively, EP 705 E can be used as top sealer.
Pore-filler (3)	**KLB-SYSTEM EPOXID EP 172**
Mortar coating (2)	**KLB-SYSTEM EPOXID EP 158** and a coloured sand mixture
Primer (1)	**KLB-SYSTEM EPOXID EP 57***, openly scattered with quartz sand **KLB-Quarzsand 0.7/1.2 mm** *alternatively, EP 58 or EP 53 Spezialgrund AgBB can be used.
Substrate	Requirements to the substrate according to BEB worksheets and our primer list or by consultancy from our technical sales service/application technology

Area of application

Offices and public facilities:

- Trade and presentation
- Museum
- Low-emission coatings
- Public facilities

Special solutions:

- Low-emission coatings

Healthcare:

- Pharmaceutical industry
- Laboratory
- Clean room

System features

- resistant to hot water up to 65 °C / 149 °F
- impervious to fluids
- resistant to industrial trucks
- suitable for clean rooms
- resistant to mechanical load
- rigid
- matt
- smooth
- slightly slip-resistant R9/R10
- low-VOC (AgBB)

Technical data

Bending tensile strength (EP 158)	30	N/mm²	DIN EN 196/1
Compressive strength (EP 158)	70	N/mm²	DIN EN 196/1
Shore-hardness D (EP 158)	75	-	DIN 53505 (after 7 days)

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

Tests and certifications

The following external test certificates are available for the system:

- Certified as low-emission according to Eurofins "Indoor Air Comfort Gold“. Compliant with AgBB and suitable for recreation rooms.
- Fire behaviour classification according to DIN EN 13501-01:2010-01: B_{fl}-s1
- Declaration of performance in accordance with Annex III to Regulation (EU) No. 305/2011 (Construction Products Regulation)
- Declaration of product conformity with Environmental Product Declarations (EPD)

Please consider the latest version of this system 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. With appearance of this new KLB system information, all prior information loses validity. The updated version is available on our website www.klb-koetztal.com. In addition, our "General Terms and Conditions“ apply.

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