

System H6

KLB FOOD PU RX Decor

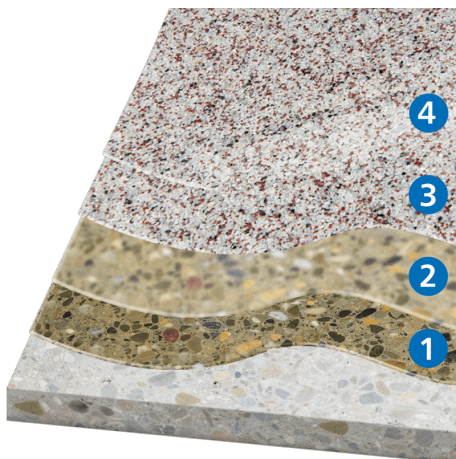


Low-emission, slip-resistant polyurethane coating for areas in the food industry

The coating system H6 fulfils many demands for both commercial or industrial areas with occasional exposure to wetness. Its good stain and chemical resistance in particular allows the high-quality, low-emission polyurethane flooring to be used preferably in beverage and food processing plants, as well as in wineries or other wine production facilities, that do not require any waterproofing layer.

The system complies with the requirements posed by Indoor Air Comfort Gold Label version 6.0 (2017) which guarantees regular testing and confirmation of the system's low emissions. The components of this build-up have been certified for sustainable building according to DGNB, LEED or Minergie ECO. Alternatively, there can be produced a coating scattered with quartz sand and sealed in one colour.

Alternative systems: [System H2](#) as low-emission coloured sand scattered coating with tested composite waterproofing, especially for kitchens, [System H5](#) as coloured sand scattered coating made of epoxy resin.



4. Top sealer **KLB-SYSTEM POLYURETHAN PU 484**
3. Top coat with **KLB-SYSTEM POLYURETHAN PU 424**, filled with mixed sand **KLB-Mischsand 3/1**, then fully scattered with coloured quartz **KLB-Colorquarz CQS**
2. Scratch coat with **KLB-SYSTEM EPOXID EP 53 Spezialgrund AgBB** and mixed sand **KLB-Mischsand 2/1**, openly scattered with **KLB quartz sand**
1. Primer **KLB-SYSTEM EPOXID EP 53 Spezialgrund AgBB**

System build-up

Layer	See product information for more details
Total layer thickness	approx. 2.5 - 3.5 mm
Top sealer (4)	KLB-SYSTEM POLYURETHAN PU 484
Top coat (3)	KLB-SYSTEM POLYURETHAN PU 424, filled with mixed sand KLB-Mischsand 3/1 , fully scattered with coloured quartz sand KLB-Colorquarzsand CQS-46xx
Scratch coat (2)	KLB-SYSTEM EPOXID EP 53 Spezialgrund-AgBB and mixed sand KLB-Mischsand 2/1 , openly scattered with KLB quartz sand
Primer (1)	KLB-SYSTEM EPOXID EP 53 Spezialgrund-AgBB
Substrate	Requirements to the substrate according to BEB worksheets and by consultancy from our technical sales service/ application technology

Area of application

Foodstuffs:

- Butcheries, slaughterhouses, dairy, meat and fish industry
- Beverages industry and breweries
- Wineries, Wine production

Technical data

Shore-hardness D (PU 424)	72	-	DIN 53455 (after 7 days)
Tensile strength (PU 424)	> 25	N/mm ²	DIN EN ISO 527
Shore-hardness D (PU 484)	Ca. 78	-	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.
- Slip-resistance according to DIN 51130 and BGR 181: grades R10, R11 V4, R11 V6 or R12 V6
- Top sealant PU 484 is suitable for use in foodstuffs according to § 31 para. 1, German Food and Feed Code (German law LFGB)

- 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)
- Fire behaviour classification according to DIN EN 13501-01:2010-0: B_{fl}-s1



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-koetzal.com. In addition, our "General Terms and Conditions" apply.