System H2
KLB KITCHEN LOW-VOC PU

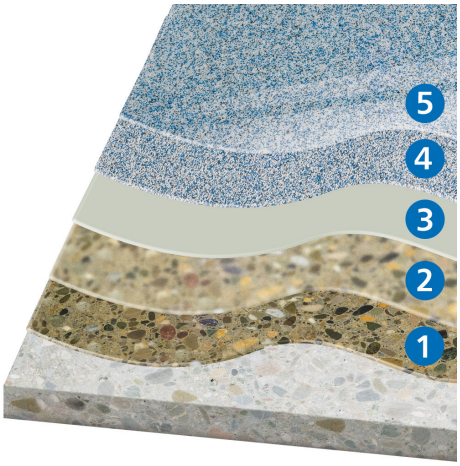
Low-emission, slip-resistant polyurethane coating for kitchens



The coating system H2 fulfils all demands for both commercial or industrial kitchen floors and other wet surfaces that require robust and slip-resistant coatings. The binding agents in this system are designed to be low-emission.

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 H1 without any requirements on low emissions, System H3 as rapid-setting version.



5. Top sealer **KLB-SYSTEM POLYURETHAN PU 484**
4. Base coat with **KLB-SYSTEM POLYURETHAN PU 424**, filled with mixed sand **KLB-Mischsand 3/1,** then fully scattered with **KLB coloured quartz CQS**
3. Composite sealant **KLB-SYSTEM POLYURETHAN PU 420**
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. 5 - 7 mm
Top sealer (5)	**KLB-SYSTEM POLYURETHAN PU 484**
Base layer (4)	**KLB-SYSTEM POLYURETHAN PU 424,** filled with mixed sand **KLB-Mischsand 3/1**, then fully scattered with **KLB coloured quartz sand CQS-46xx**
Composite sealant (3)	**KLB-SYSTEM POLYURETHAN PU 420**
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 our primer list or 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
- Commercial kitchens

Special solutions:

- Low-emission coatings

System features

- resistant to hot water up to 65 °C / 149 °F
- resistant to chemicals
- impervious to fluids
- resistant to industrial trucks
- resistant to mechanical load
- rigid
- crack-bridging
- glossy
- slip-resistant in R11
- low-VOC (AgBB)
- slip-resistant in R12/R13
- structured

Technical data

Bending tensile strength (PU 420)	40	N/mm²	DIN EN 196/1
Compressive strength (PU 420)	45	N/mm²	DIN EN 196/1
Shore-hardness D (PU 420)	65	-	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:

- Proof of usability in system H2 as industrial kitchen coating
- 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-koetztal.com. In addition, our "General Terms and Conditions“ apply.

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