



## System G2

### KLB INDUSTRIAL LOW-VOC PU Sealed

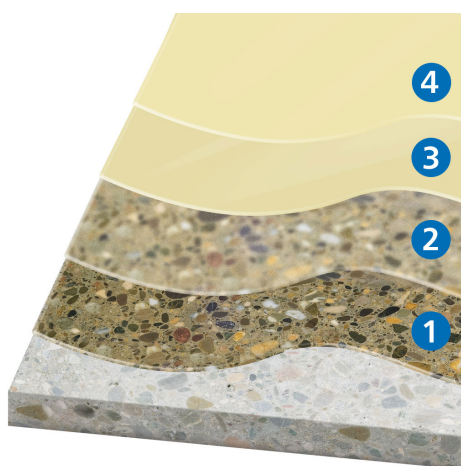
Slightly non-slip, low-emission polyurethane resin coating

The coating system G2 fulfils all demands for hard and elastic coatings exposed to lower or medium stress. It is particularly used for substrates susceptible to deformation such as mastic asphalt, metal, wood or mixed concrete. Yellowing is avoided through the colour-stable and light-resistant finish of the top sealer.

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 which makes the system perfectly suitable for recreational rooms.



**Alternative systems:** [System G1](#) for a lower slip-resistance, [System G8](#) for higher walking comfort.



4. Matt sealer **KLB-SYSTEM POLYURETHAN PU 812 E**
3. Top coat **KLB-SYSTEM POLYURETHAN PU 420**
2. Scratch coat with **KLB-SYSTEM EPOXID EP 57** and mixed sand **KLB-Mischsand 2/1**, openly scattered with quartz sand **KLB-Quarzsand 0.3/0.8 mm**
1. Primer **KLB-SYSTEM EPOXID EP 57**

#### System build-up

Layer	See product information for more details
<b>Total layer thickness</b>	approx. 2.5 - 3 mm
<b>Matt sealer (4)</b>	<b>KLB-SYSTEM POLYURETHAN PU 812 E**</b> <small>**alternatively, PU 806 E can be used.</small>
<b>Top coat (3)</b>	<b>KLB-SYSTEM POLYURETHAN PU 420</b>
<b>Scratch coat (2)</b>	<b>KLB-SYSTEM EPOXID EP 57*</b> with mixed sand <b>KLB-Mischsand 2/1</b> , openly scattered with quartz sand <b>KLB-Quarzsand 0.3/0.8 mm</b>
<b>Primer (1)</b>	<b>KLB-SYSTEM EPOXID EP 57*</b> <small>*alternatively, EP 58 or EP 53 Spezialgrund AgBB can be used</small>
<b>Substrate</b>	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

##### Industry:

- Manufacturing and production
- Storage and logistics

##### Foodstuffs:

- Food markets and sales areas
- Cold storage and deep-freezing rooms

##### Special solutions:

- Low-emission coatings

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#### System features

- application area - Indoor
- impervious to fluids
- resistant to mechanical load
- rigid
- matt
- slightly slip-resistant R9/R10
- low-VOC (AgBB)

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#### Technical data

Bending tensile strength (PU 420)	40	N/mm <sup>2</sup>	DIN EN 196/1
Compressive strength (PU 420)	45	N/mm <sup>2</sup>	DIN EN 196/1
Shore-hardness D (PU 420)	65	-	DIN 53505 (after 7 days)
Abrasion (Taber Abraser) (PU 420)	55	mg	ASTM D4060 (CS10/1000)

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

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#### Tests and certifications

The following external test certificates are available for the system:

- Fire behaviour classification according to DIN EN 13501-01:2010-01: B<sub>fl</sub>-s1
- Slip-resistance grade R10 according to DIN 51130 and BGR 181 when using **PU 812 E-R10**

- Suitable for use in foodstuffs according to § 31 para. 1, German Food and Feed Code (German law LFGB).
  - Certified as low-emission according to Eurofins "Indoor Air Comfort Gold". Compliant with AgBB and suitable for recreation rooms.
  - 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)
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Please consider the latest version of this system information on our website.

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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](http://www.klb-koetzal.com). In addition, our "General Terms and Conditions" apply.

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