

System G5

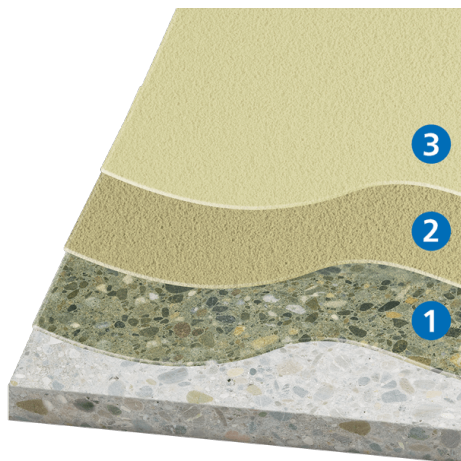
KLB INDUSTRIAL PU RX

Slip-resistant polyurethane resin coating

The coating system G5 fulfills all demands on hard-elastic and antislip floor coatings with a slip-resistance grade of R11-R13. It is designed to withstand lower to medium mechanical stresses and is mainly used for substrates susceptible to deformation, such as mastic asphalt, metal, wood or mixed concrete.

The chemical composition of the system does not provide any stability against yellowing. However, this can be avoided by applying a colour-stable top sealer. Please contact our field service or the technical sales team for further information about a change in anti-slip properties.

Alternative systems: [System G6](#) in a rapid-setting version, [System G1](#) for a lower slip-resistance.



3. Top sealer **KLB-SYSTEM POLYURETHAN PU 421**
2. Top coat **KLB-SYSTEM POLYURETHAN PU 421**, fully scattered with **KLB quartz sand**
1. Primer **KLB-SYSTEM EPOXID EP 50**, openly scattered with **KLB quartz sand**

System build-up

Layer	See product information for more details
Total layer thickness	approx. 3 - 4 mm
Top sealer (3)	KLB-SYSTEM POLYURETHAN PU 421
Top coat (2)	KLB-SYSTEM POLYURETHAN PU 421, fully scattered with KLB quartz sand
Primer (1)	KLB-SYSTEM EPOXID EP 50* , openly scattered with quartz sand KLB-Quarzsand 0.3/0.8 mm <small>*alternatively, EP 52 Spezialgrund, EP 52 RAPID, etc. can be used:</small>
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

Industry:

- Manufacturing and production
- Storage and logistics

Foodstuffs:

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

Technical data

Bending tensile strength (PU 421)	> 40	N/mm ²	DIN EN 196/1
Compressive strength (PU 421)	55	N/mm ²	DIN EN 196/1
Shore-hardness D (PU 421)	65	-	DIN 53505 (after 7 days)
Abrasion (Taber Abraser) (PU 421)	55	mg	ASTM D4060 (CS10/1000)

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

Tests and certifications

The following external and internal test certificates are available for the system:

- Slip-resistance in grades R11 V4 or R11 V8 according to DIN 51130 and BGR 181 as well as R13 V10 according to DIN EN 16165 and DIN 51130
- Suitable for use in foodstuffs according to § 31 para. 1, German Food and Feed Code (German law LFGB) as smooth covering.

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