

System I2

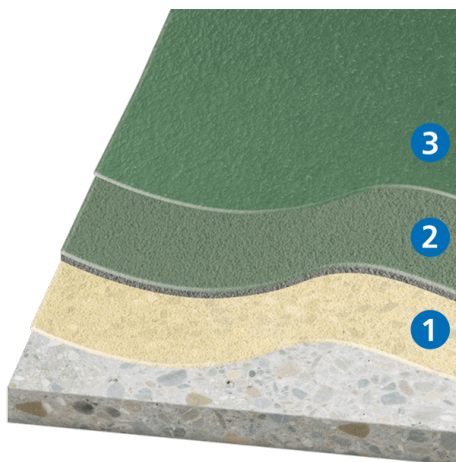
KLB TECH PU-BETON RX

Industrial flooring for wet areas exposed to hot water and chemicals, with slip-resistant surface

The coating system I2 is characterised by a better temperature resistance than conventional epoxy or reactive resin systems. It is used in areas that are frequently exposed to water, hot water, high temperatures or chemicals - which must therefore be sufficiently slip-resistant in order to guarantee occupational safety. These properties make the system suitable for floors in the food production and processing, beverage industry, chemical industry and many other sectors.

The slip-resistant coating (R11 to R13) is cleanable with steam jets. Due to the chemical composition of the floor, it is not set to be resistant to UV exposure and thus, yellowing can occur. The high-quality technical characteristics of the flooring are not affected by this. **PU-BETON PU 4009** has a higher temperature resistance than **PU-BETON 4006**.

Alternative systems: [System I1](#) with lower antislip properties of grades R9 to R10, [System I3](#) with reduced installation times to obtain a slip-resistance grade of R11.



3. Top sealant **KLB-SYSTEM PU-BETON PU 4080**
2. Mortar coating with **KLB-SYSTEM PU-BETON PU 4006/PU 4009**, scattered with **KLB quartz sand** or **corundum** depending on the desired slip-resistance (please refer to test certificates)
1. Primer **KLB-SYSTEM PU-BETON PU 4050**

System build-up

Layer	See product information for more details
Total layer thickness	approx. 6.5 - 10.5 mm
Top sealer (3)	KLB-SYSTEM PU-BETON 4080 Kopfsiegel
Mortar coating (2)	KLB-SYSTEM PU-BETON 4006/4009 , scattered with KLB quartz sand or corundum
Primer (1)	KLB-SYSTEM PU-BETON 4050 Grundierung
Substrate	Requirements to the substrate according to BEB worksheets and our primer list or by consultancy from our technical sales service/application technology. Suitable are concrete C25/30 or cement screed CT-C35-F5-V60 in minimum quality.

Area of application

Industry:

- Manufacturing and production

Foodstuffs:

- Butcheries, slaughterhouses, dairy, meat and fish industry
- Beverages industry and breweries
- Commercial kitchens

Special solutions:

- Resistance to hot water

System features

- resistant to chemicals
- impervious to fluids
- resistant to industrial trucks
- resistant to hot water up to 120 °C / 248 °F
- resistant to mechanical load
- rigid
- matt
- slip-resistant in R11
- slip-resistant in R12/R13
- structured

Technical data

Bending tensile strength (PU-BETON 4009)	14	N/mm ²	DIN EN 196/1
Compressive strength (PU-BETON 4009)	45	N/mm ²	DIN EN 196/1
Shore-hardness D (PU-BETON 4009)	85	-	DIN 53505 (after 7 days)
Gloss level (PU-BETON 4080 Kopfsiegel)	< 10 (85°)	-	DIN 67530

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:

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

- Slip-resistance according to DIN 51130 and BGR 181: grade R11, R12 V6, R13 V4 and R13 V6
 - Suitable for use in foodstuffs according to § 31 para. 1, German Food and Feed Code (German law LFGB)
 - Proof of usability as industrial kitchen coating within the system
 - Bacteriostatic activity in combination with **KLB-SYSTEM PU-Beton PU 4080 Clean** according to ISO 22196-2011-08 and JIS 2801:2000
 - 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.

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.
