

System K2

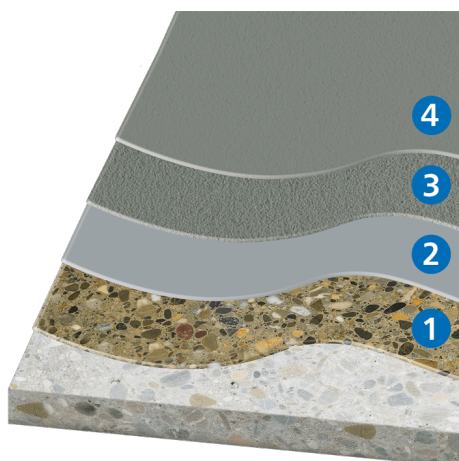
KLB PARKING PU OS11a Outdoor

Crack-bridging surface protection system according to DAfStb directive OS 11a

The coating system K2 complies with all requirements in accordance with the TR maintenance directive or RiLi SIB (DAfStb) based on OS 11a for the production of tested car park coatings. The system offers increased dynamic capability for crack-bridging on surfaces that are accessible to foot and vehicle traffic, as well as on open parking decks. As a result from production processes, the system's layer thickness is at > 4.5 mm, plus the surcharge for roughness depth.

In indoor and outdoor areas, the system is suitable as coating for parking areas or park decks with an adjusted slip-resistance. As surface protection system, it is chemically resistant and impermeable to liquids, thus protecting the underlying building structure.

Alternative systems: [System K1](#) as OS 8 version in the interior, [System K3](#) as OS 11b version with higher crack-bridging at up to -20 °C / -4 °F.



4. Top sealer **KLB-SYSTEM POLYURETHAN PU 5580**
3. Wearing layer with **KLB-SYSTEM POLYURETHAN PU 5560**, fully scatterd with quartz sand **KLB-Quarzsand 0.3/0.8 mm**
2. Floating layer with **KLB-SYSTEM POLYURETHAN PU 5550**
1. Primer **KLB-SYSTEM EPOXID EP 5520**, openly scattered with quartz sand **KLB-Quarzsand 0.3/0.8 mm**

System build-up

Layer	See product information for more details
Total layer thickness	> 4.5 mm (+ surcharge for roughness depth)
Top sealer (4)	KLB-SYSTEM POLYUREA PU 5580
Wearing layer (3)	KLB-SYSTEM POLYURETHAN PU 5560 , fully scattered with quartz sand KLB-Quarzsand 0.3/0.8 mm
Floating layer (2)	KLB-SYSTEM POLYURETHAN PU 5550
Primer (1)	KLB-SYSTEM EPOXID EP 5520* , openly scattered with quartz sand KLB-Quarzsand 0.3/0.8 mm <small>*alternatively, EP 5530 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

Automotive, garages and car parks:

- Car parks, parking decks and underground parking lots
- Outdoor parking spaces

External surfaces:

- Commercial exterior coatings
- Outdoor parking spaces

System features

- application area - Outdoor
- impervious to fluids
- resistant to mechanical load
- crack-bridging
- elastic
- glossy
- slip-resistant in R11
- structured

Technical data

Elongation at break (PU 5550)	Approx. 600 (at 23 °C / 73.4 °F), Approx. 300 (at -20 °C / -4 °F)	%	DIN 53504
Shore-hardness D (PU 5580)	Ca. 70 - 75	-	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:

- 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 V4, R11 V6
- Test report (system test): Performance characteristics test, for the use as a surface protection system/product following DIN EN 1504-2 "Products and systems for the protection and maintenance of concrete supporting structures, part 2: surface protection systems for concrete; German version EN 1504-2:2004", in consideration of DIN V 18026, "Surface protection systems for

concrete from products according to DIN EN 1.5.2004-2" and in accordance with the DAfStb guidelines "Protection and maintenance of concrete components".

- 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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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.
