



## System K1

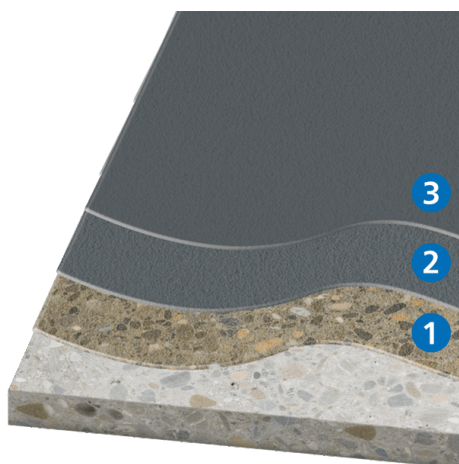
### KLB PARKING EP OS8 Indoor

Surface protection system according to DAfStb directive OS 8

The coating system K1 complies with all requirements in accordance with the TR maintenance directive or RiLi SIB (DAfStb) based on OS 8 as resistant coating system for interior surfaces that are accessible to vehicle traffic and subject to heavy mechanical loads. As a result from production processes, the system's layer thickness is at > 2.5 mm, plus the surcharge for roughness depth.

In indoor areas, the system is particularly suitable as coating for car parks with an adjusted slip-resistance grade of R11. As surface protection system, it is chemically resistant and impermeable to liquids, thus protecting the underlying building structure.

**Alternative systems:** [System K2](#) as OS 11a version, [System K3](#) as OS 11b version with higher crack-bridging at up to -20 °C / -4 °F.



3. Top sealer **KLB-SYSTEM EPOXID EP 216 Universal**
2. Top coat with **KLB-SYSTEM EPOXID EP 216 Universal**, fully scattered with quartz sand **KLB-Quarzsand 0.3/0.8 mm**
1. Primer **KLB-SYSTEM EPOXID EP 5520**, optional: 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	> 2.5 mm (+ surcharge for depth of roughness)
Top sealer (4)	<b>KLB-SYSTEM EPOXID EP 216 Universal</b>
Top coat (3)	<b>KLB-SYSTEM EPOXID EP 216 Universal</b> , fully scattered with quartz sand <b>KLB-Quarzsand 0.3/0.8 mm</b>
Scratch coat (2)	<b>KLB-SYSTEM EPOXID EP 5520*</b> , and mixed sand <b>KLB-Mischsand 2/1</b>
Primer (1)	<b>KLB-SYSTEM EPOXID EP 5520*</b> <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

### Industry:

- Storage and logistics

## System features

- resistant to chemicals
- impervious to fluids
- resistant to industrial trucks
- resistant to mechanical load
- rigid
- glossy
- slip-resistant in R11
- structured

## Technical data

Bending tensile strength (EP 216 Universal)	> 45	N/mm <sup>2</sup>	DIN EN 196/1
Compressive strength (EP 216 Universal)	> 55	N/mm <sup>2</sup>	DIN EN 196/1
Shore-hardness D (EP 216 Universal)	80	-	DIN 53505 (after 7 days)
Abrasion (Taber Abraser) (EP 216 Universal)	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 test certificates are available for the system:

- Certificate of conformity by KIWA Polymer Institute
- Fire behaviour classification according to DIN EN 13501-01:2010-01: B<sub>fl</sub>-s1
- Slip-resistance according to DIN 51130 and BGR 181: grades R11 V4, R11 V6, R11 V8 and R12 V4
- 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](http://www.klb-koetzal.com). In addition, our "General Terms and Conditions" apply.