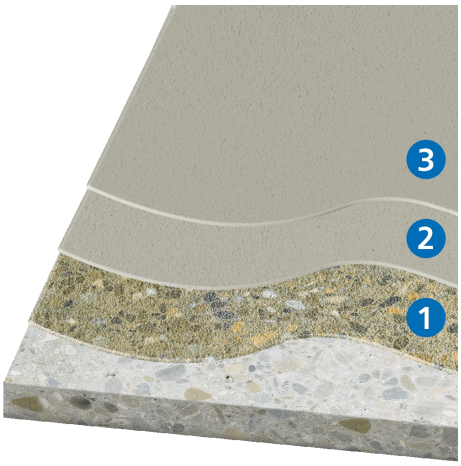
System K7
KLB PARKING EP OS8 Flex

Surface protection system according to TR maintenance directive OS 8, permeable

The coating system K7 complies with all requirements in accordance with the Technical Rule maintenance directive of concrete buildings (in short: TR maintenance, update 2020) or RiLi SIB (DAfStb, 2001) based on OS 8 as resistant coating system for interior surfaces that are accessible to vehicle traffic and subject to heavy mechanical loads. The system is water vapour-permeable (class II according to DIN EN ISO 7783-1 and -2), statically crack-briding in class A3 (according to DIN EN 1062-7) = 0.6 mm (at - 10 °C / 14 °F) and dynamically crack-bridging in class B1 (according to DIN EN 1062-7) at 0 °C / 32 °F. 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 car park coating 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 K1 as OS 8 standard version for interior areas, System K6 as statically crack-bridging version OS 8 based on PU.



3. Top sealer **KLB-SYSTEM EPOXID EP 5570**
2. Wearing layer with **KLB-SYSTEM EPOXID EP 5590**, fully scattered with quartz sand **KLB-Quarzsand 0.3/0.8 mm**
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 or system information for more details
Total layer thickness	> 2.5 mm (+ surcharge for depth of roughness)
Top sealer (3)	**KLB-SYSTEM EPOXID EP 5570**
Wearing layer (2)	**KLB-SYSTEM EPOXID EP 5590**
Primer (1)	**KLB-SYSTEM EPOXID EP 5520***, loosely scattered with quartz sand **KLB-Quarzsand 0.3/0.8 mm** *alternatively, EP 5530 can be used
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
- Surface protection systems

Industry:

- Storage and logistics

Technical data

Shore-hardness D (EP 5570)	80	-	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 and internal test certificates are available for the system:

- Tested according to DIN EN 1504-2 in consideration of DIN V 18026 “Surface protection systems for concrete from products according to DIN EN 1504-2”, according to the test class OS 8 “Chemically-resistant coatings for drivable, heavily loaded surfaces”.
- Scattered coating with slip resistance grade R11 V4 or R12 V6 possible, according to DIN EN 16165 and DIN 51130.
- Static crack-bridging of class A3 (according to DIN EN 1062-7) at -10 °C / 14 °F: 0.6 mm
- Dynamic crack-bridging of class B1 (according to DIN EN 1062-7) at 0 °C / 32 °F

- Water vapour permeability (based on DIN EN ISO 7783-1 and -2): class II
- 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
- 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.

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