

System F5

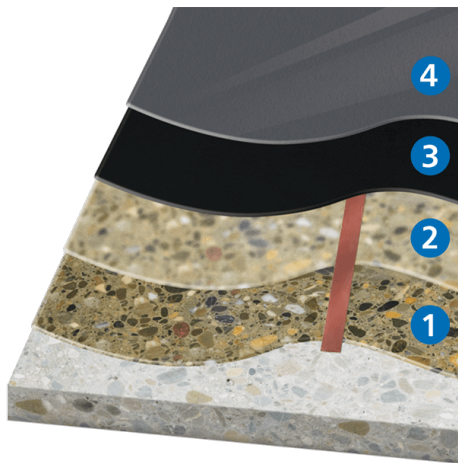
KLB CONDUCTIVE EP EX SIC

Conductive, non-slip epoxy resin SIC structured coating

The coating system F5 complies with all requirements on conductive coatings for industrial or commercial areas with low to medium mechanical load.

The anti-slip surface grade R10 is mainly used in factory, storage or work rooms - but also on traffic routes and parking spaces.

Alternative system: [System F4](#) for a higher slip-resistance and ESD properties.



4. Structured coating **KLB-SYSTEM EPOXID EP 233 EL+**
3. Conductive layer **KLB-SYSTEM EPOXID EP 799 Ableitgrund** with copper strip **KLB-Kupferband** attached underneath
2. Scratch coat with **KLB-SYSTEM EPOXID EP 50** and mixed sand **KLB-Mischsand 2/1**
1. Primer **KLB-SYSTEM EPOXID EP 50**

System build-up

Layer	See product information for more details
Total layer thickness	approx. 1.0 - 1.5 mm
Structured coating (4)	KLB-SYSTEM EPOXID EP 233 EL+
Conductive layer (3)	KLB-SYSTEM EPOXID EP 799 Ableitgrund, with copper strip KLB-Kupferband attached underneath
Scratch coat (2)	KLB-SYSTEM EPOXID EP 50* with mixed sand KLB-Mischsand 2/1
Primer (1)	KLB-SYSTEM EPOXID EP 50* <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

Special solutions:

- Anti static flooring

Technical data

Bending tensile strength (EP 233 EL +)	30	N/mm ²	DIN EN 196/1
Compressive strength (EP 233 EL +)	65	N/mm ²	DIN EN 196/1
Shore-hardness D (EP 233 EL +)	80	-	DIN 53505 (after 7 days)
Abrasion (Taber Abraser) (EP 233 EL +)	50	mg	ASTM D4060 (CS10/1000)
Electrical resistance (EP 233 EL +)	(in combination with EP 799 Ableitgrund) 10 ⁹	Ohm	DIN EN 61340-4-1 DIN EN 1081

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:

- Slip-resistance grade R10 according to DIN 51130 and BGR 181.
- Fire behaviour classification according to DIN EN 13501-01:2019-05: B_{fl}-s1.
- 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-koetzta.com. In addition, our "General Terms and Conditions" apply.