



System F7

KLB CONDUCTIVE EP ESD

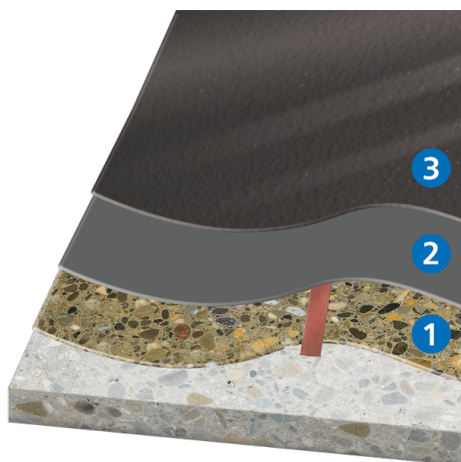
Structured

ESD-conductive epoxy resin structured coating

As coating with structured surface, system F7 complies with all requirements on industrial and commercial application areas.

It can be used in factory, storage or work rooms with lower mechanical stress - but also as wall coating. The system components are low-emission and therefore suitable for sustainable building according to DGNB, LEED or Minergie ECO.

Alternative systems: [System F4](#) for a higher slip-resistance, [System F1](#) for EX protection.



3. Structured coating **KLB-SYSTEM EPOXID EP 239 ESD**
2. Scratch coat and conductive layer **KLB-SYSTEM EPOXID EP 77** with copper strip **KLB-Kupferband** attached underneath
1. Primer **KLB-SYSTEM EPOXID EP 57**, openly scattered with quartz sand **KLB-Quarzsand 0.1/0.5 mm**

System build-up

Layer	See product information for more details
Total layer thickness	approx. 1.5 - 2.0 mm
Structured coating (3)	KLB-SYSTEM EPOXID EP 239 ESD
Scratch coat and conductive layer (2)	KLB-SYSTEM EPOXID EP 77 with copper strip KLB-Kupferband attached underneath **alternatively, EP 799 Ableitgrund can be used as a conductive coat, in which case a scratch coat of EP primer is applied beforehand.
Primer (1)	KLB-SYSTEM EPOXID EP 57*, openly scattered with quartz sand KLB-Quarzsand 0.1/0.5 mm *alternatively, EP 58 or EP 53 Spezialgrund AgBB 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

Industry:

- Manufacturing and production
- Storage and logistics
- Conductive floors (ESD)

Special solutions:

- ESD coatings

Automotive, garages and car parks:

- Manufacturing and production

Technical data

Bending tensile strength (EP 239 ESD)	45	N/mm ²	DIN EN 196/1
Compressive strength (EP 239 ESD)	63	N/mm ²	DIN EN 196/1
Shore-hardness D (EP 239 ESD)	80	-	DIN 53505 (after 7 days)
Abrasion (Taber Abraser) (EP 239 ESD)	50	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:

- Certified as low-emission according to Eurofins "Indoor Air Comfort Gold".
- 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. In addition, our "General Terms and Conditions" apply.