



System F8

KLB CONDUCTIVE CLEAN EP EX

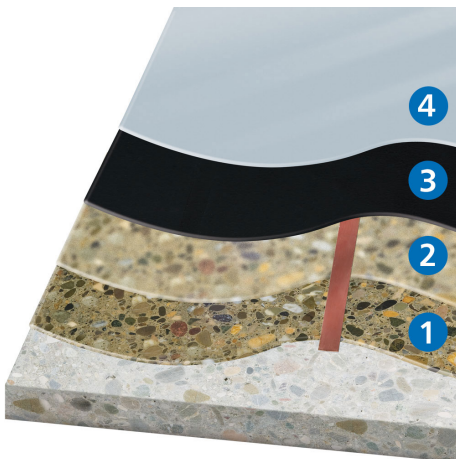
Low-emission, electrically conductive epoxy resin coating

The coating system F8 is able to fulfil all requirements on commercial or industrial areas that require a smooth, low-emission and at the same time, dissipative coating with EX protection (e.g. clean rooms).

The system is particularly suitable for surfaces in the pharmaceutical sector, biotechnology and chemistry - but also on surfaces decontaminated with hydrogen peroxide.

The system complies with the requirements posed by Indoor Air Comfort Gold Label version 6.0 (2017) which guarantees regular testing and confirmation of the system's low emissions. The components of this build-up have been certified for sustainable building according to DGNB, LEED or Minergie ECO.

Alternative systems: [System F1](#) as smooth coating with EX protection, [System F3](#) as smooth ESD coating.



4. Top coat **KLB-SYSTEM EPOXID EP 202 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 57** and mixed sand **KLB-Mischsand 2/1**
1. Primer **KLB-SYSTEM EPOXID EP 57**

System build-up

Layer	See product information for more details
Total layer thickness	approx. 2.0 - 2.5 mm
Top coat (4)	KLB-SYSTEM EPOXID EP 202 EL+ <small>**alternatively, KLB-SYSTEM EPOXID EP 202 Clean EL+ can be used.</small>
Conductive layer (3)	KLB-SYSTEM EPOXID EP 799 Ableitgrund , with copper strip KLB-Kupferband attached underneath
Scratch coat (2)	KLB-SYSTEM EPOXID EP 57* with mixed sand KLB-Mischsand 2/1
Primer (1)	KLB-SYSTEM EPOXID EP 57* <small>*alternatively, EP 58 or EP 53 Spezialgrund AgBB 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
- Conductive floors (ESD)

Healthcare:

- Hospital
- Laboratory
- Pharmaceutical industry
- Clean room

Special solutions:

- Anti static flooring

Technical data

Abrasion (Taber Abraser) (EP 202 EL+)	47	mg	ASTM D4060 (CS10/1000)
Electrical resistance (EP 202 EL+)	(in combination with EP 799 Ableitgrund) Approx. 10^6	Ohm	DIN IEC 61340-5-1/2 DIN EN 61340-4-1
Shore-hardness D (EP 202 EL+)	81	-	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:

- Certified as low-emission according to Eurofins "Indoor Air Comfort Gold". Compliant with AgBB and suitable for recreation rooms.
- Cleanroom-suitable materials according to ISO 14644-1; VDI 2083 Part 17: ISO 4.
- Resistance to decontamination with gaseous hydrogen peroxide tested with EP 202 Clean EL+
- 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.