

## System F7

### KLB CONDUCTIVE EP ESD

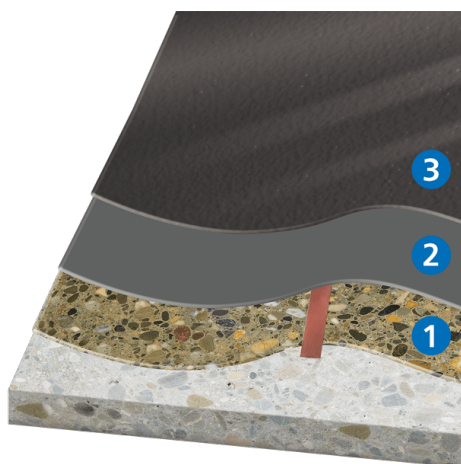
### Structured

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.

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



3. Structured coating **KLB-SYSTEM EPOXID EP 236 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)	<b>KLB-SYSTEM EPOXID EP 236 ESD</b>
Scratch coat and conductive layer (2)	<b>KLB-SYSTEM EPOXID EP 77</b> with copper strip <b>KLB-Kupferband</b> attached underneath
Primer (1)	<b>KLB-SYSTEM EPOXID EP 57*</b> , openly scattered with quartz sand <b>KLB-Quarzsand 0.1/0.5 mm</b> *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 (conductive)

##### Automotive, garages and car parks:

- Manufacturing and production

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#### System features

- application area - Indoor
- rigid
- glossy
- slightly slip-resistant R9/R10
- conductive (ESD)
- conductive (EX/personal protection)
- structured

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#### Technical data

Bending tensile strength (EP 236 ESD)	45	N/mm <sup>2</sup>	DIN EN 196/1
Compressive strength (EP 236 ESD)	63	N/mm <sup>2</sup>	DIN EN 196/1
Shore-hardness D (EP 236 ESD)	80	-	DIN 53505 (after 7 days)
Abrasion (Taber Abraser) (EP 236 ESD)	50	mg	ASTM D4060 (CS10/1000)
Walking Body Model (EP 236 ESD)	< 100	V	DIN EN 61340-5-1
Person/footwear/flooring system (EP 236 ESD)	< 10 <sup>9</sup>	Ohm	DIN EN 61340-5-1

The values established in tests are average values. Deviations from the product specification may occur.

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#### Tests and certifications

The following external test certificates are available for the system:

- 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)
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Please consider the latest version of this system information on our website.

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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.

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