No need for other layers:

For ESD floors, a conductive layer and dissipative top coat are usually required. **KLB-SYSTEM POLYURETHAN PU 813 EL+/ESD**, on the other hand, considerably reduces the system build-up: its application makes it possible to subsequently transform existing, insulating epoxy and polyurethane coatings into electrically conductive floors. All that is required is the installation of copper strips in accordance with VDE regulations. Only one more layer then needs to be applied.

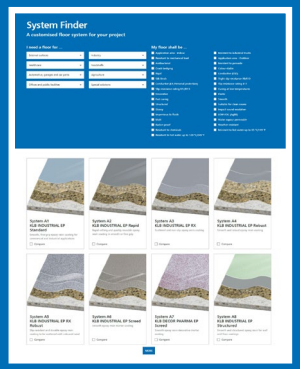
That's convincing!

- suitable for ESD applications, protection against personal charging, within the system also for EX areas
- good adhesion on a wide range of substrates
- very low-emission and EMICODE EC1 PLUS-certified, environmentally friendly
- resistant to chemicals and staining
- available in R9, R10
- visually appealing, matt surface with high colour variety
- for quick refurbishment and change of use

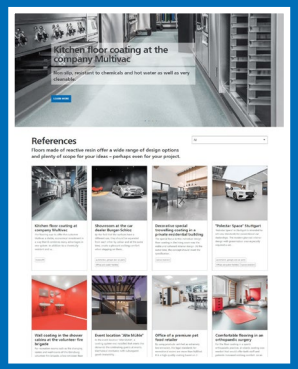
User-friendly handling just like any other top sealer: the conductive **PU 813 EL+/ESD** is easy to apply by rolling.

The systematic approach to great flooring.

You can find more products, systems, references and brochures on our website:



www.klb-koetztal.de/en/systemfinder



www.klb-koetztal.de/en/klb-refer-

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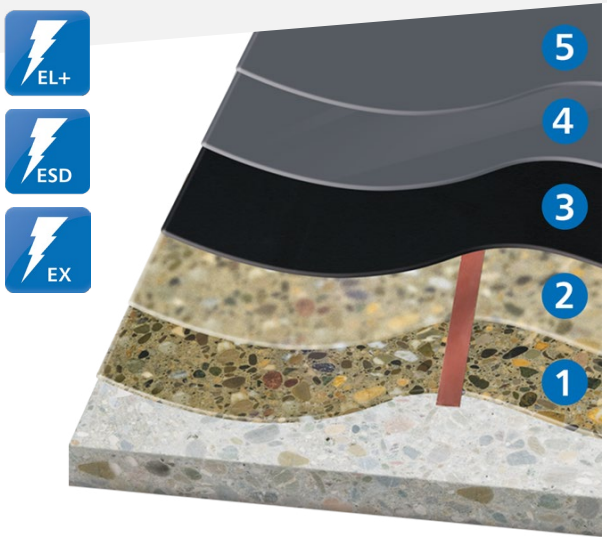
KLB KÖTZTAL

All-rounder for EL+ ESD EX a variety of substrates

KLB-SYSTEM POLYURETHAN PU 813 EL+/ESD

PU 813 EL+/ESD – tested within the system

Electrically conductive, pigmented, low-VOC and environmentally friendly 2-component sealer within **System F6 KLB CONDUCTIVE LOW-VOC PU ESD Elastic:**



For more information on this system, see:
www.klb-koetztal.de/en/systems/system-f6/

System build-up

5. Top sealer
   KLB-SYSTEM POLYURETHAN PU 813 EL+/ESD
4. Top coat
   KLB-SYSTEM POLYURETHAN PU 413 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***

*EP 58 or EP 53 Spezialgrund AgBB can be used as an alternative.

Areas of application of System F6:

- for light driving and rolling traffic, only conditionally suitable for forklift trucks
- in laboratories or other surfaces exposed to chemical loads
- in the sector of electronics and electrical engineering, e.g. EX and personal protection areas
- on substrates susceptible to deformation (mastic asphalt) for commercial and industrial areas

KLB-SYSTEM POLYURETHAN PU 813 EL+/ESD

Product characteristics	PU 813 EL+/ESD
Mixing ratio	A : B = 5 : 1 (parts by weight)
Processing time (at 20 °C / 68 °F)	60 - 90 minutes
Processing temperature	Minimum 10 °C / 50 °F (floor and air temperature)
Curing time (at 20 °C / 68 °F)	accessible after 16 - 24 hours
Curing (at 20 °C / 68 °F)	2 - 3 days until mechanical load
Further coatings (at 20 °C / 68 °F)	after 16 - 24 hours, but after 48 hours at the latest

The following self-levelling coatings can be sealed with PU 813 EL+/ESD:

- **Conductive coatings:**
  EP 200 EL+
- **Conductive, low-emission coatings:**
  EP 202 EL+ | PU 413 EL+
- **ESD coatings:**
  EP 211 ESD | EP 212 ESD

Application recommendation:

Refurbishments and change of use

Using **KLB-SYSTEM POLYURETHAN PU 813 EL+/ESD**, rooms can be equipped with a conductive flooring within short time and only little effort. Up to the extent that a coffee kitchen can be converted into a server room with just one layer of coating.

Prerequisites:

- Existing insulating EP or PU floor
- Installation of copper strips

Features:

- achieving conductivity through the application of one product
- electrically conductive, suitable for ESD applications, protection against personal charging

Here you can find more details, media and product information:

Scan QR code or open link in browser:
www.klb-koetztal.de/esd-floors-pu-813/

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