System B2
KLB PROTECT WHG CONDUCTIVE EP

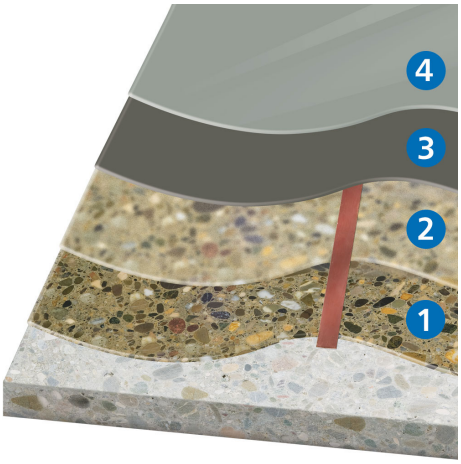
Chemical-resistant epoxy resin coating for water protection (WHG) with DIBt approval (building authority approval), electrically conductive

The coating system B2 is an electrically conductive WHG coating with building authority approval in accordance with § 63 of the German Water Resources Act.

The system can be used in LAU (storage, filling and handling facilities) or HBV installations (production, treatment or processing facilities) as well as in collection drains and rooms. It is also suitable for use in areas with forklift traffic that impose demands on explosion protection.

Alternative systems: System B1 as WHG system without any requirements on electrical conductivity.





4. Top coat **KLB-SYSTEM EPOXID EP 280 WHG** - optional: injecting structured granulate **Strukturgranulat RQX 9**
3. Conductive layer **KLB-SYSTEM EPOXID EP 799 WHG** with copper strip **KLB-Kupferband** attached underneath
2. Optional scratch coat with **KLB-SYSTEM EPOXID EP 55** and mixed sand **KLB-Mischsand 2/1**
1. Primer **KLB-SYSTEM EPOXID EP 55**

System build-up

Layer	See product information for more details
Total layer thickness	approx. 2,1 mm
Top coat (4)	**KLB-SYSTEM EPOXID EP 280 WHG**, optional: injecting structured granulate **Strukturgranulat RQX 9**
Conductive layer (3)	**KLB-SYSTEM EPOXID EP 799 WHG** with copper strip **KLB-Kupferband** attached underneath
Optional scratch coat (2)	**KLB-SYSTEM EPOXID EP 55** with mixed sand **KLB-Mischsand 2/1**
Primer (1)	**KLB-SYSTEM EPOXID EP 55**
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
- Laboratory
- Storage and logistics
- Chemical resistance
- Conductive floors (ESD)

Healthcare:

- Pharmaceutical industry
- Clean room

Special solutions:

- Anti static flooring
- Water protection
- Chemical resistance

Automotive, garages and car parks:

- Manufacturing and production
- Car workshops

Technical data

Shore-hardness D (EP 280 WHG)	65 - 70	-	DIN 53505 (after 7 days)
Abrasion (Taber Abraser) (EP 280 WHG)	50	mg	ASTM D4060 (CS10/1000)
Electrical resistance (EP 280 WHG)	Approx. 10^6	Ohm	DIN EN 61340-4-1

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:

- Fire behaviour classification according to DIN EN 13501-01:2010-0: B_{fl}-s1
- Building authority approval DIBT within the system
- Slip-resistance according to DIN 51130 and BGR 181: grade R9 by injection of structured granulate **Strukturgranulat RQX 9**
- Testing of the chemical resistance in the test groups 1 to 15a as well as various individual substances, see approval or product information
- Outgassing test for clean rooms
- 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-koetztal.com. In addition, our "General Terms and Conditions“ apply.

KLB KÖTZTAL Lacke+Beschichtungen GmbH
Günztalstraße 25
89335 Ichenhausen, GERMANY
Phone +49 (0) 8223-96 92-0
Fax +49 (0) 8223-96 92-100
www.klb-koetztal.com
info@klb-koetztal.com