System B1
KLB PROTECT WHG EP

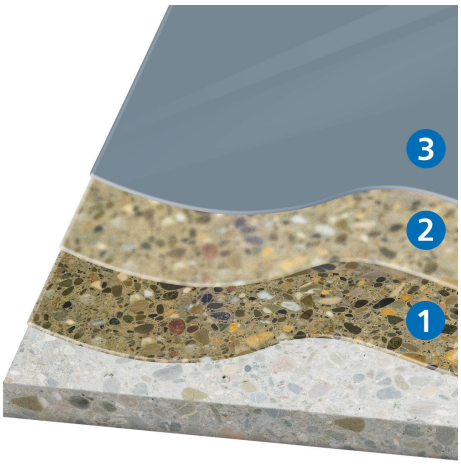
Chemical-resistant epoxy resin coating for water protection (WHG) with approval according to DIBt (building authority approval)

The coating system B1 complies with all requirements of WHG coatings and has the approval of the building authorities in accordance with § 63 of the German Water Resources Act. This system can be used to create sealants for collection drains and rooms, coverings for traffic routes in industrial operations with specific WHG demand or mechanically and chemically resistant industrial floors.

The system can withstand the loads from floor conveyors.

Alternative systems: System B2 for requirements on electrical conductivity.





3. Top coat **KLB-SYSTEM EPOXID EP 282 WHG** - optional: injecting structured granulate **Strukturgranulat RQX 9/RQX 10**
2. 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 mm
Top coat (3)	**KLB-SYSTEM EPOXID EP 282 WHG**, optional: injecting structured granulate **Strukturgranulat RQX 9/RQX 10**
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

Healthcare:

- Pharmaceutical industry
- Clean room

Special solutions:

- Chemical resistance
- Water protection

Automotive, garages and car parks:

- Manufacturing and production
- Car workshops

Technical data

Shore-hardness D (EP 282 WHG)	65	-	DIN 53505 (after 7 days)
Abrasion (Taber Abraser) (EP 282 WHG)	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:

- Fire behaviour classification according to DIN EN 13501-01:2010-01: B_{fl}-s1
- Building authority approval DIBT within the system
- Slip-resistance according to DIN 51130 and BGR 181: grade R9/R10 by injection of structured granulate **Strukturgranulat RQX 9/RQX 10**
- Testing of the chemical resistance in the test groups 3 to 15a as well as various individual substances, see approval or product information
- 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)

Special remarks	Please use system B2 if an explosion protection is required.

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.

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