



System D1

KLB TECH CLEAN INDUSTRIAL LOW-VOC EP

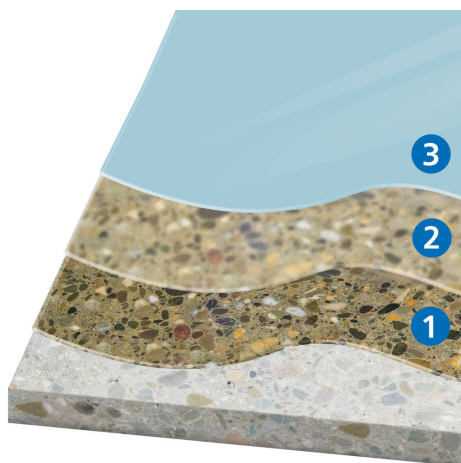
Smooth, antibacterial, low-emission epoxy resin coating

The system D1 can be used in areas where a preventive protection against bacterial attack is required. With its special properties, the smooth and low-emission coating ensures a permanently hygienic surface, even between cleaning and disinfection cycles.

Typical areas of application include mechanically low to medium stressed surfaces, such as in hospitals, corridors, patient rooms, doctor's surgeries, retirement homes and in other healthcare facilities.

Further, 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.

Alternative systems: [System D2](#) with antibacterial properties and a slightly non-slip surface.



3. Top coat **KLB-SYSTEM EPOXID EP 202 Clean**
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 - 4.5 mm
Top coat (3)	KLB-SYSTEM EPOXID EP 202 Clean
Scratch coat (2)	KLB-SYSTEM EPOXID EP 57* , mixed with 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

Foodstuffs:

- Food markets and sales areas

Offices and public facilities:

- Living
- Public facilities

Healthcare:

- Hospital

Special solutions:

- Low-emission coatings

System features

- resistant to hot water up to 65 °C / 149 °F
- impervious to fluids
- resistant to industrial trucks
- antibacterial
- suitable for clean rooms
- resistant to mechanical load
- rigid
- glossy
- smooth
- low-VOC (AgBB)

Technical data

Bending tensile strength (EP 202 Clean)	60	N/mm ²	DIN EN 196/1
Compressive strength (EP 202 Clean)	78	N/mm ²	DIN EN 196/1
Shore-hardness D (EP 202 Clean)	80	-	DIN 53505 (after 7 days)
Abrasion (Taber Abraser) (EP 202 Clean)	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:

- Certified as low-emission according to Eurofins "Indoor Air Comfort Gold". Compliant with AgBB and suitable for recreation rooms.
- Fire behaviour classification according to DIN EN 13501-01:2010-01: B_{fl}-s1
- 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.