



## System C1

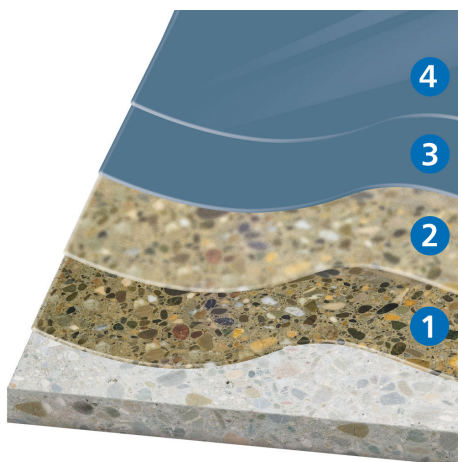
### KLB LOW-VOC EP Standard

Smooth, low-emission epoxy resin coating

The coating system C1 is able to fulfil many requirements of low-emission floors in recreation rooms as well as for commercial or industrial areas with low to medium mechanical load. The slightly slip-resistant surface is not only suitable for common rooms, but also for production and warehouse facilities or several other economic sectors exposed to lower mechanical stress.

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. The components of this build-up have been certified for sustainable building according to DGNB, LEED or Minergie ECO.

**Alternative systems:** [System C2](#) as low-emission and slip-resistant version.



4. Top sealer **KLB-SYSTEM EPOXID EP 705 E**
3. Top coat **KLB-SYSTEM EPOXID EP 202**
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
<b>Total layer thickness</b>	approx. 1.5 - 4 mm
<b>Top sealer (4)</b>	<b>KLB-SYSTEM EPOXID EP 705 E</b>
<b>Top coat (3)</b>	<b>KLB-SYSTEM EPOXID EP 202</b>
<b>Scratch coat (2)</b>	<b>KLB-SYSTEM EPOXID EP 57*</b> and mixed sand <b>KLB-Mischsand 2/1</b>
<b>Primer (1)</b>	<b>KLB-SYSTEM EPOXID EP 57*</b> <small>*alternatively, EP 58 or EP 53 Spezialgrund AgBB can be used.</small>
<b>Substrate</b>	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

##### Offices and public facilities:

- Office and administration
- Trade and presentation
- Museum
- Public facilities
- Decoration and design
- Living

##### Special solutions:

- Low-emission coatings

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#### System features

- resistant to hot water up to 65 °C / 149 °F
- impervious to fluids
- resistant to mechanical load
- rigid
- silk-matt
- smooth
- slightly slip-resistant R9/R10
- low-VOC (AgBB)

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#### Technical data

Bending tensile strength (EP 202)	60	N/mm <sup>2</sup>	DIN EN 196/1
Compressive strength (EP 202)	78	N/mm <sup>2</sup>	DIN EN 196/1
Shore-hardness D (EP 202)	80	-	DIN 53505 (after 7 days)
Abrasion (Taber Abraser) (EP 705 E)	< 40	mg	ASTM D4060 (CS10/1000)

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:

- Slip-resistance grade R10 possible according to DIN 51130 and BGR 181 when using top sealer **EP 705 E-R10**
  - 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<sub>fl</sub>-s1 when using **EP 202** (not sealed).
  - 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-koetztal.com](http://www.klb-koetztal.com). In addition, our "General Terms and Conditions" apply.

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