



PU-CONCRETE coatings for extreme demands

CHEMORESIN® PU-BETON

High-performance floors designed for extreme conditions.

Whether heat, cold, moisture, chemical exposure, heavy mechanical loads or frequent cleaning: these floors deliver – durable, safe and hygienic.

CHEMORESIN® PU-BETON systems are developed specifically for the toughest demands in the food and chemical industries.



Classification of the fire behaviour according to DIN EN 13501-1 (test institute Hoch, Fladungen, GERMANY)
PU-BETON 4006 / 4009 / 4011
Grip
B_{fl}-s1: hardly inflammable



Determination of slip-resistance according to DIN 51130 and BGR 181 through inspection (by the Official Materials Testing Institute Höhr-Grenzhausen, GERMANY)
R9, R10, R11, R12, R13



Suitability as floor coating for use in the food industry according to **EC Regulation 852/2004** (Polymer Institute Flörsheim-Wicker)



Antimicrobial sealers are available (to prevent contamination and meet legal hygiene requirements)

Also tested for: chemical resistance, abrasion, impermeability, disinfectability.

**Focus on
environment
and health:**

All CHEMORESIN® PU-CONCRETE systems are EMICODE® EC1^{Plus} certified – ensuring very low emissions and maximum safety for both installers and users. They meet the requirements for sustainable building certification according to DGNB, LEED or BREEAM.





Why choosing CHEMORESIN® PU-BETON?

Built for the extreme – reliable under heat and load

CHEMORESIN® PU-BETON products are hot-water and steam-resistant up to 130 °C / 266 °F and withstand dry temperatures up to 150 °C / 302 °F – which makes them ideal for thermally stressed areas.

- CHEMORESIN® PU-BETON 4004: up to 70 °C / 158 °F,
- CHEMORESIN® PU-BETON 4006: up to 90 °C / 194 °F,
- CHEMORESIN® PU-BETON 4009: up to 130 °C / 266 °F (moist heat), up to 150 °C / 302 °F (dry heat)

Typical applications:

- | | |
|-------------------|---------------------|
| ✓ Food processing | ✓ Beverage industry |
| ✓ Butcheries | ✓ Chemical industry |
| ✓ Large bakeries | ✓ Milk industry |

For areas with high thermal, mechanical and chemical loads.

Product features of CHEMORESIN PU-BETON:



- ✓ **Highly resistant to chemical loads:**
Excellent resistance to chemicals, acids, alkalis and cleaning agents
- ✓ **Highly resistant to mechanical loads:**
Impact-resistant and permanently robust – ideal for production areas, cold storage and warehouses in food processing
- ✓ **Hygienic and easy to clean:**
Jointless and pore-free surfaces are easy to clean, steam-cleanable, and optionally available with an antimicrobial top sealer – for strict hygiene and cleanliness requirements



The system is available in a variety of standard colours. Request our colour chart for an overview.

Here you can find further information:
www.klb-koetzel.de/product-chemoresin-pu-beton/

     @klbkoetzel

Please note: All stated information is based on our experience and technical preparation. We take your needs seriously. Chemical resistance is thoroughly tested, and we provide tailored advice. This flyer contains the current status of KLB technology at the time of publication. Only the latest KLB product data sheet is authoritative for all technical questions. The latest version of the CHEMORESIN PU-BETON product data sheet is available electronically on our website www.klb-koetzel.com. In addition, our "General Terms and Conditions" apply.

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