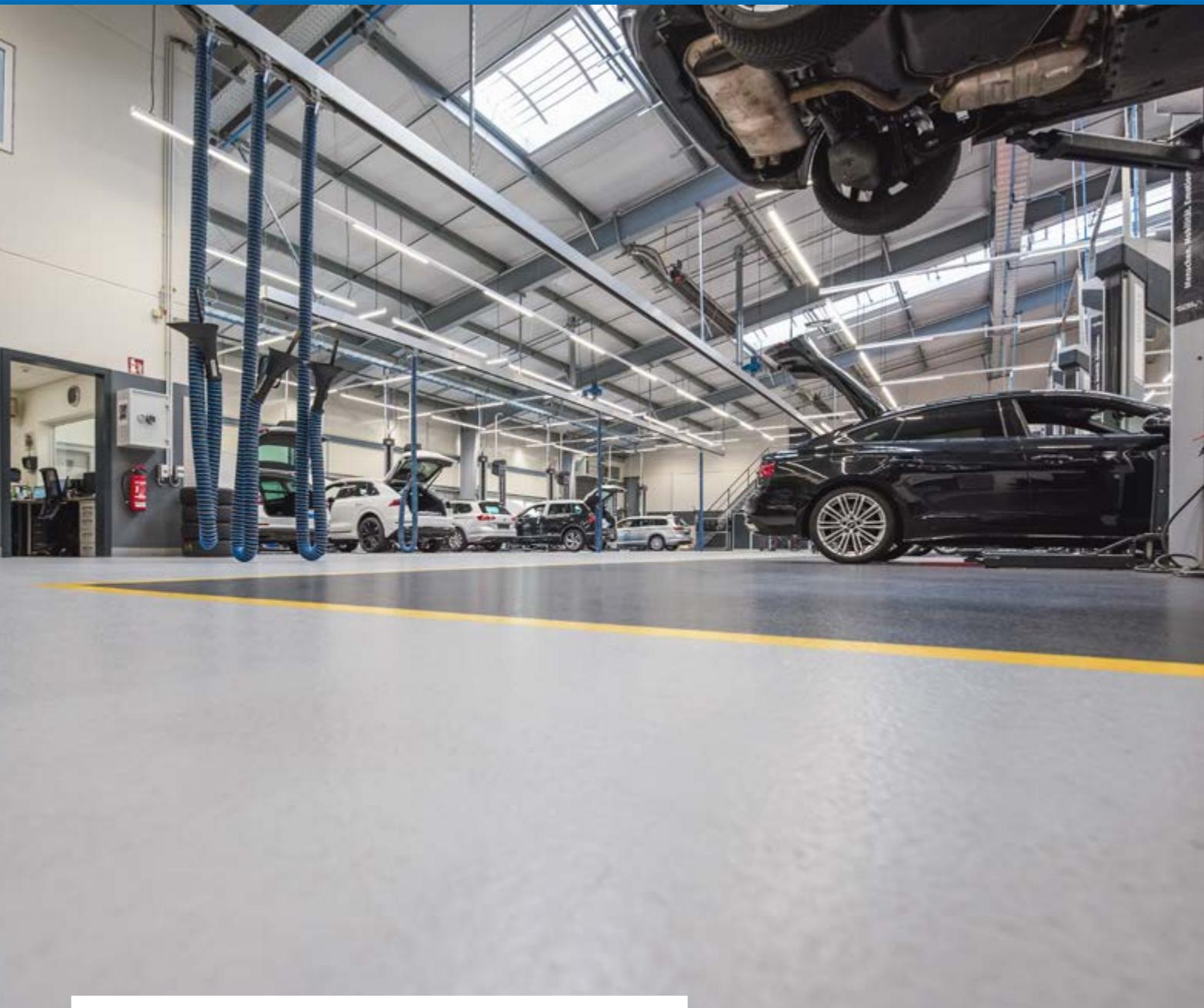


OBJECT INSIGHT

INSIGHT INTO VERY SPECIAL OBJECTS

INDUSTRY AUTOMOTIVE, GARAGES, CAR PARKS AGRICULTURE FOODSTUFFS HEALTHCARE OFFICES, PUBLIC FACILITIES EXTERNAL SURFACES SPECIAL SOLUTIONS



*Conductive structured coating
in a car repair shop*

KLB
KÖTZTAL

The Object

Jacobs Service Factory
52078 Aachen, GERMANY

Category: Car workshop

Area size: 5,000 m²

Completion: Dec. 2020

Floor covering:

Structured coating made of epoxy resin with the addition of silicon carbide

Area type:

Surfaces driven over by cars, workshop areas

Requirements:

Resistant to mechanical loads, accessible by vehicles, chemical-resistant, non-slip and (in some areas) electrically conductive

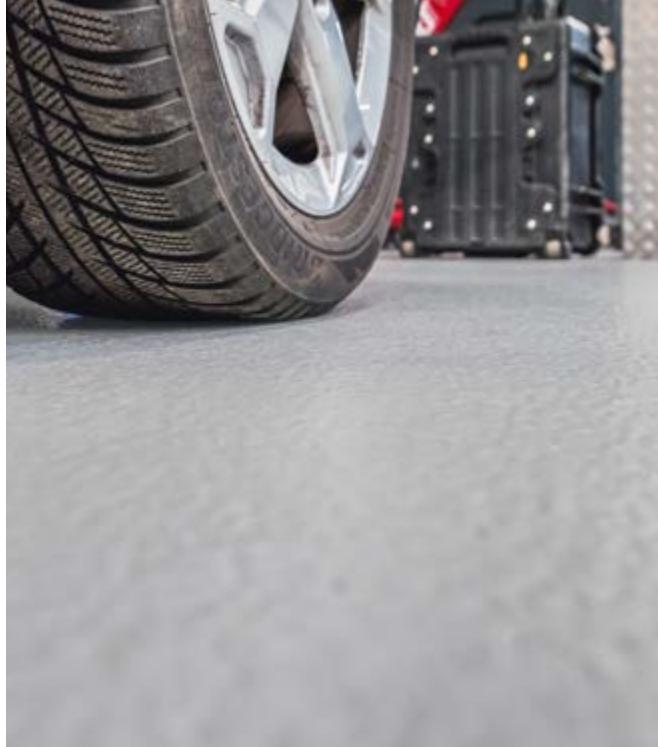
Colour:

approx. RAL 7042 Traffic grey,
approx. RAL 7015 Slate grey

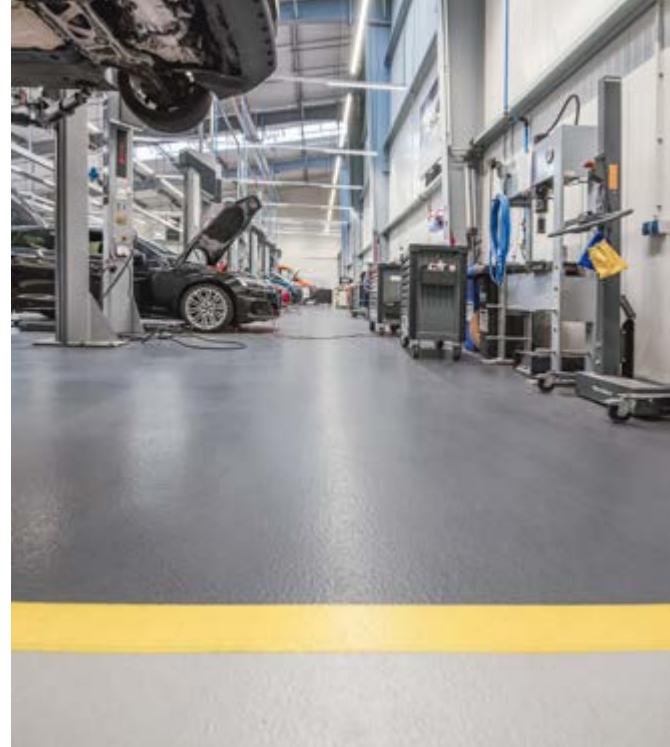


Insight: Conductive structured coating

The F5 coating system provides a durable and safe surface that both dissipates electrical charges and withstands mechanical exposure. Since it is also impermeable to liquids, it prevents chemicals from penetrating into the substrate.



Robust, structured surface.



The traffic routes and workshop areas were separated by colour.

System F5 KLB CONDUCTIVE EP EX SIC

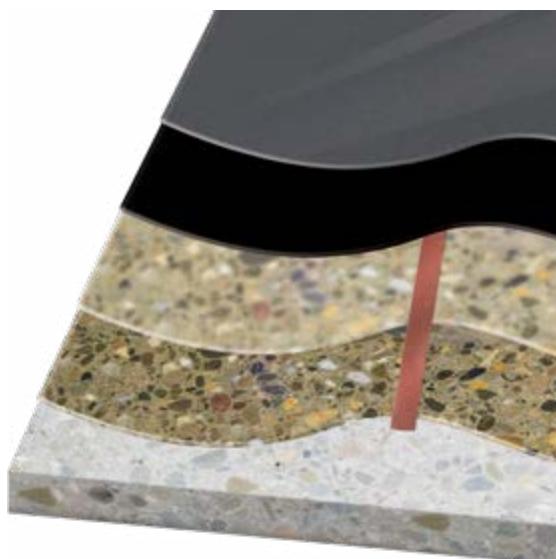
AUTOMOTIVE, GARAGES AND CAR PARKS / CAR WORKSHOPS

The car workshop "Jacobs" is a busy place: a large number of vehicles drive in and out every day, exposing the floor to mechanical stress and high friction or shear forces.

When it came to coating the new building in 2020, the requirements for the flooring were clear: good mechanical load-bearing capacity and electrical conductivity for some areas. Also important was a certain resistance to leaking oils, brake fluids, etc.

System F5 KLB CONDUCTIVE EP EX SIC has proven itself for such challenging environments. The conductive epoxy resin SIC structured coating is characterised by its mechanical robustness and high abrasion resistance. The slightly structured surface is non-slip yet easy to clean.

In order to protect the sensitive electronics inside the vehicles from electrical discharges, some areas were coated with the conductive **KLB-SYSTEM EPOXID EP 233 EL+**, and an underlying cross-conductive layer. After four years of intensive use, the coating is still in very good condition and therefore highly economical and robust in the long term.



Top coat with **KLB-SYSTEM EPOXID EP 233 EL+** and the addition of **KLB-Siliciumcarbid 0.3/0.8 mm**

Conductive layer **KLB-SYSTEM EPOXID EP 799 Ableitgrund**, with copper strip **KLB-Kupferband** attached underneath

Scratch coat with **KLB-SYSTEM EPOXID EP 52 Spezialgrund** and mixed sand **KLB-Mischsand 2/1**

Primer **KLB-SYSTEM EPOXID EP 52 Spezialgrund**

Watch it on
YouTube
 [@klbkoetztal](#)



The systematic approach to great flooring.

You can find more systems and references on our website:

www.klb-koetztal.de/en/systemfinder



Dekorative Betriebskantine

WIR SIND ERreichbar

Referenzen

Böden aus Reaktionsharz bieten vielfältige Gestaltungsmöglichkeiten und jede Menge Freiraum für Ihre Ideen – vielleicht auch für Ihr Projekt.



Büro eines Fachhändlers für Premium-Tischlerei
Durch den Einsatz der als besonders präzise und zuverlässig geltenden Reaktionsharztechnologie konnte ein modernes Arbeitsumfeld mit einer großen Anzahl an Arbeitsplätzen geschaffen werden.

[Weitere Details](#)



Konferenzraum in einer orthopädischen Praxis
Die für die orthopädische Praxis eingesetzten Reaktionsharzfußböden sind durch die optimale Schwingungsdämpfung besonders geeignet.

[Weitere Details](#)



Fußverkleidung in der Landwirtschaft
Die optimale Dämpfung und die ausreichende Rutschfestigkeit der Reaktionsharzfußböden sind besonders geeignet.

[Weitere Details](#)



Moderne Zahnarztpraxis
Die Reaktionsharzfußböden in der Zahnarztpraxis haben eine große Anzahl an Arbeitsplätzen und einen hohen Wert an Belebung in den Lohnräumen sowie eine optimale Dämpfung einer Treppenlage.

[Weitere Details](#)



Dekorative Terrasse mit



Dekorativer Küchenboden



Neuerne Duschabtrennungen



Dekorativer Empfangs- und

www.klb-koetztal.de/en/klb-references

Please note: This Object Insight brochure shows exemplary build-ups for a specific area of application. It does not replace qualified, object-specific advice from KLB for your project. 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 responsibility for the work not carried out by us, since we have no influence on the processing or processing conditions on site. We recommend on-site trials to be conducted in individual cases. In addition, our "General Terms and Conditions" apply.

 KLB
KÖTZTAL

KLB KÖTZTAL Lacke + Beschichtungen GmbH
Günztalstraße 25
89335 Ichenhausen, GERMANY
info@klb-koetztal.com
Phone +49 8223 9692-0
Fax +49 8223 9692-100



Certified
according to
ISO 9001.



Visit us
online.

