

OBJECT INSIGHT

INSIGHT INTO VERY SPECIAL OBJECTS

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



*Surface protection system OS 11a
for an underground car park*

The Object

**Surface protection system
for traffic surfaces**
80999 Munich-Allach,
GERMANY

Category: Underground
parking garage

Area size: 2,500 m²

Completion: Jan. 2022

Floor covering:
OS 11a coating

Area type:
Driveways and
parking spaces used
by motor vehicles

Requirements:
Protecting the building
fabric through resistance
to chemicals and abrasion
as well as dynamic crack-
bridging

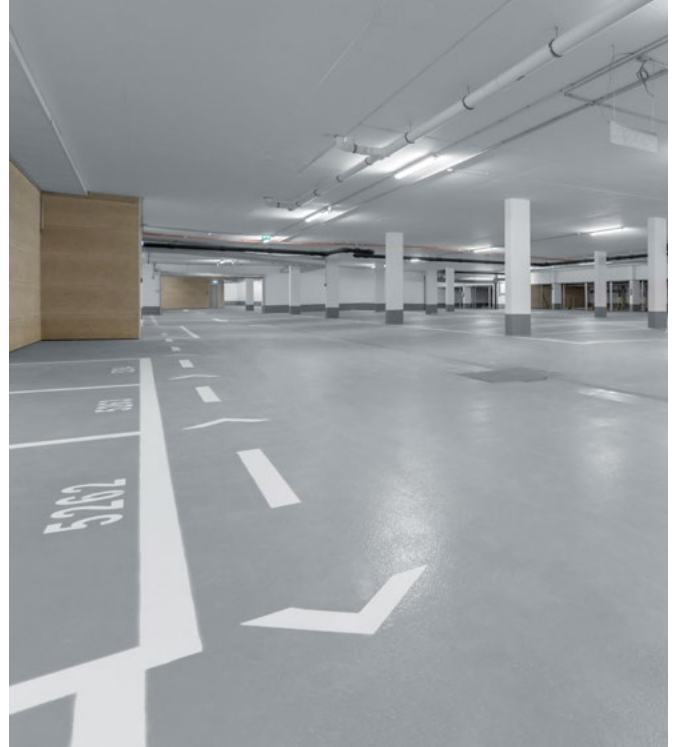


Insight: Surface protection system

OS 11a was installed as a crack-bridging surface protection coating especially for use in underground car parks to protect the reinforcing steel. Good flexibility, with high deformability and shear stability, as well as chemical and mechanical resistance, help to prevent corrosion damage.



Flexible OS 11a system as an ideal solution for substrates at risk of cracking.



High wear and abrasion resistance in frequented areas.

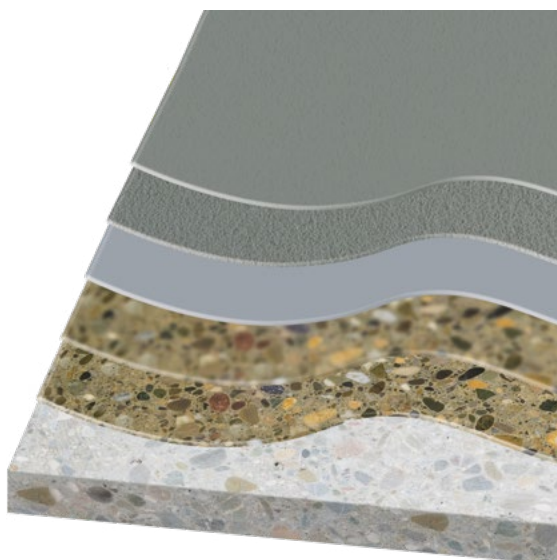
System K2 KLB PARKING PU OS 11a

AUTOMOTIVE, GARAGES AND CAR PARKS / CAR PARKS, PARKING DECKS AND UNDERGROUND PARKING LOTS

Our surface protection system **K2 KLB PARKING PU OS 11a** is characterised by its tested ability to bridge cracks at lower temperatures and its high mechanical stability. Liquids or chemicals such as road salt, exhaust gases, dripping engine and transmission oils, fuels or battery acid can penetrate even the finest cracks and cause permanent damage to the concrete or reinforcing steel. This is why the coating offers increased dynamic crack bridging and also prevents the formation of cracks.

High-quality coating materials and the right choice of products guarantee reliable protection of the building fabric.

The elastic, dynamically crack-bridging floating layer made of **KLB-SYSTEM POLYURETHAN PU 5550** is particularly suitable for areas at increased risk of cracking. A further deformable protective layer with **KLB-SYSTEM POLYURETHAN PU 5560** helps to largely prevent wear and tear caused by frequent use of the driveways – and with it high mechanical stress. After a scattering in excess, a top sealer is applied using **KLB-SYSTEM EPOXID EP 5570**. This achieves slip resistance class R11 for safe pedestrian and vehicle traffic. In addition, the light-stable sealer makes the use of **system K2 KLB PARKING PU OS 11a** also possible on car park decks exposed to the elements.



Top sealer **KLB-SYSTEM EPOXID EP 5570**

Wearing layer with **KLB-SYSTEM POLYURETHAN PU 5560**, scattered in excess with quartz sand **KLB-Quarzsand 0.3/0.8 mm**

Floating layer with **KLB-SYSTEM POLYURETHAN PU 5550**

Scratch coat with **KLB-SYSTEM EPOXID EP 5530**

Primer **KLB-SYSTEM EPOXID EP 5520**

Scan the QR code on your smart phone or open the following link to get to the digital version:
www.klb-koetzal.de/en/references/automotive/os-11a-underground-car-park-coating/



The systematic approach to great flooring.

You can find more systems and references on our website:

www.klb-koetzal.de/en/systemfinder

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

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