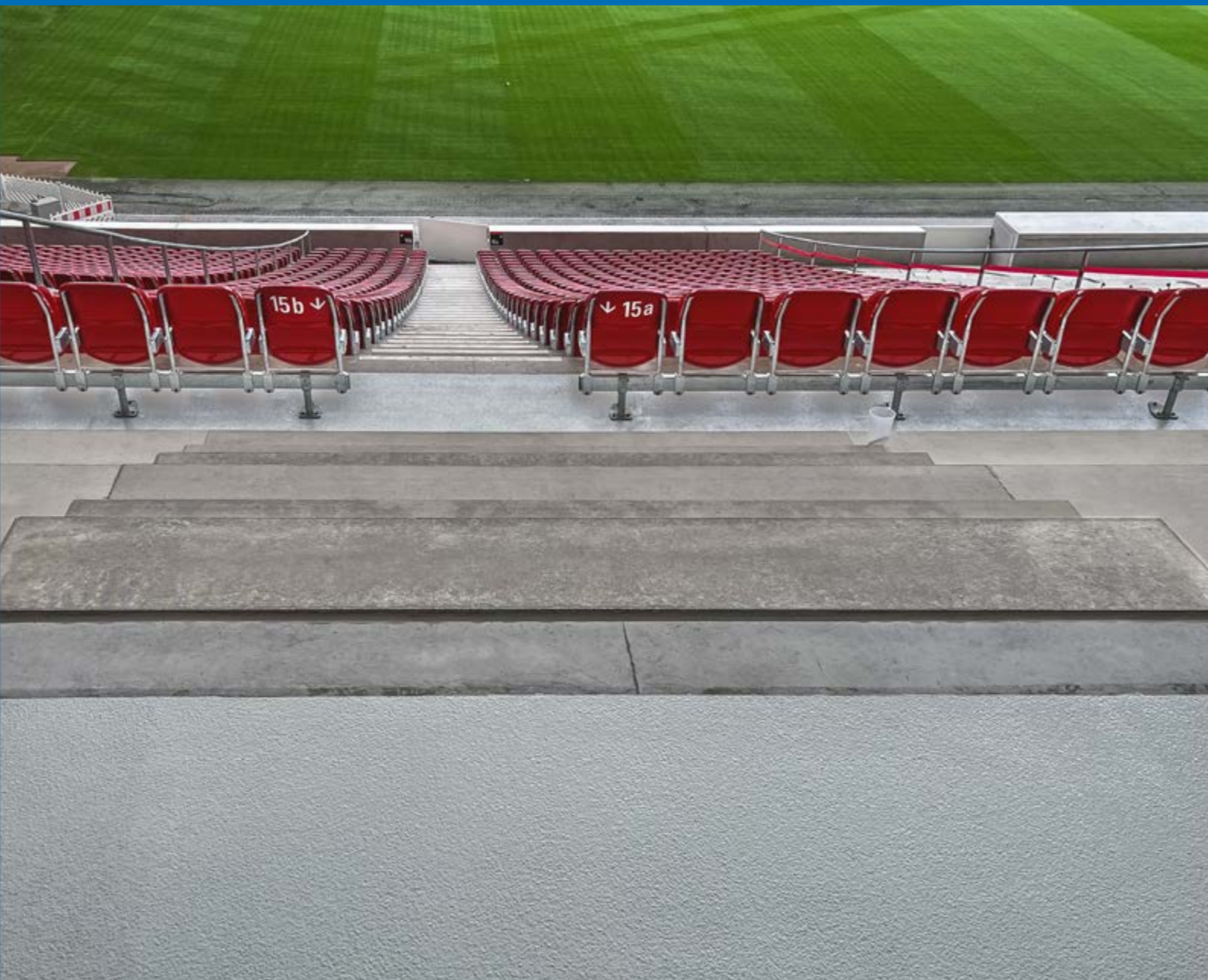


OBJECT INSIGHT

INSIGHT INTO VERY SPECIAL OBJECTS

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



*In the stands of the MHP Arena
— safe footing is essential*

The Object

Grandstand in front of VIP areas at the MHP Arena
70372 Stuttgart, GERMANY

Category: Walkway in front of VIP areas and grandstand
Area size: 3,000 m²
Completion: Sept. 2023

Floor covering:
KLB surface protection system
OS 11b (with deviating top sealer)

Area type:
Crack-bridging and non-slip coating

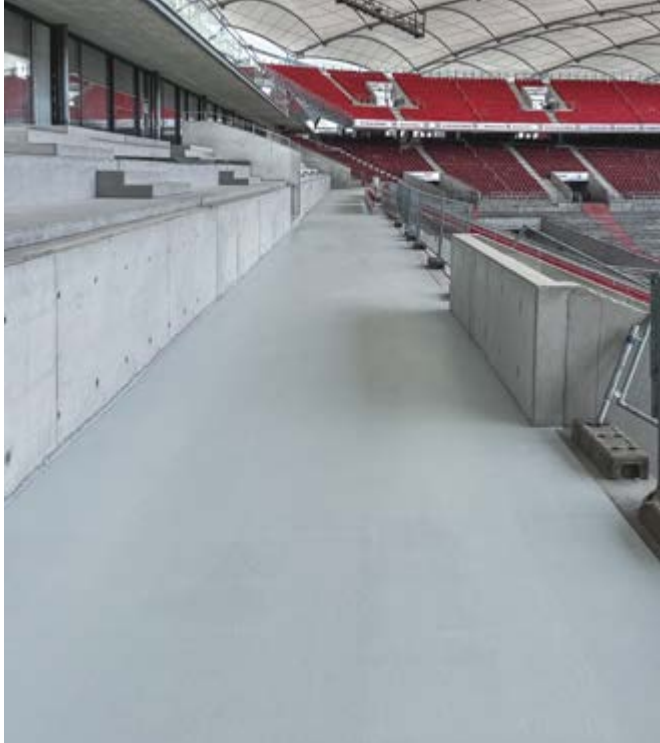
Requirements:
Impervious to liquids, robust, slip-resistant, crack-bridging

Colour tone:
approx. RAL 7035

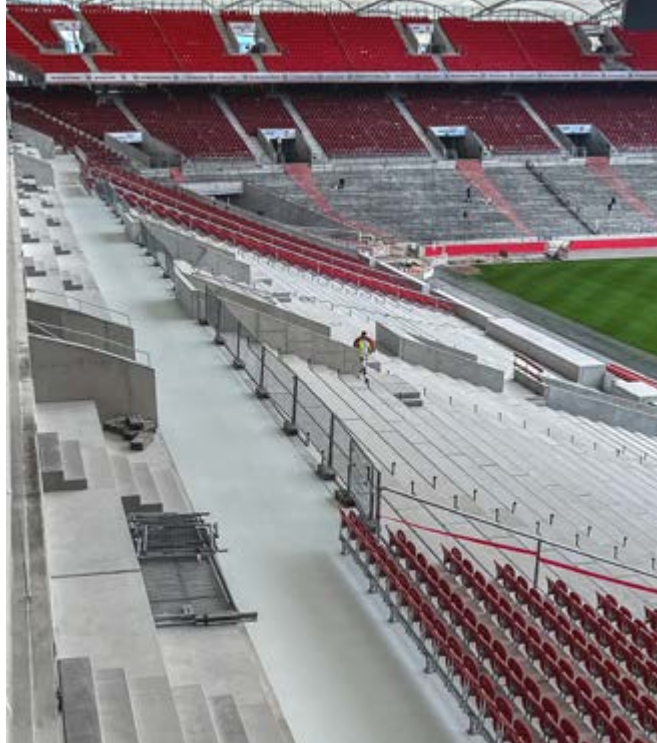


Insight: Dynamics welcome – cracks not

Grandstand areas in stadiums face unique stresses: Thousands of fans cheering every goal, jumping up, and setting the entire structure in rhythmic motion. This is where **System K3** shows its strength. The elastic wearing and sealing layer PU 5550 provides dynamic crack-bridging while combining high mechanical resistance with the flexibility required– even under recurring load cycles and continuous vibration.



Slip-resistant surface – safe footing at every match.



Strong foundation for fans – secure flooring solution for high-traffic areas.

System K3 - KLB PARKING PU OS 11b

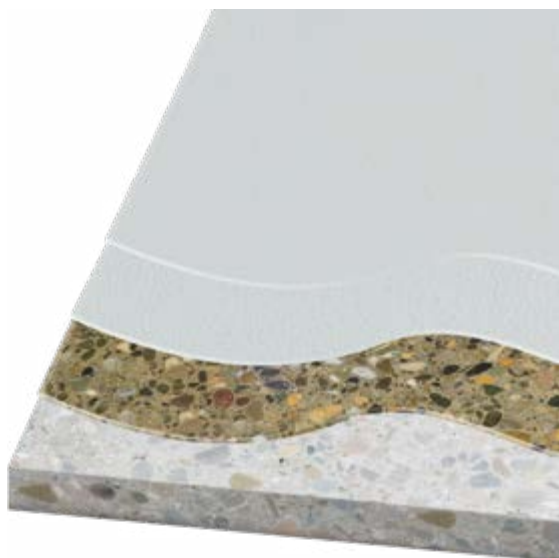
SURFACE PROTECTION SYSTEMS / SPECIAL SOLUTIONS

Whether VIP areas or fan sections, stadium floors must be secure, visually appealing, and above all weather-resistant.

For safe footing at home matches, the slip-resistant surface protection system **KLB-Oberflächenschutzsystem K3** was installed in the outdoor areas in front of the VIP lounges and on the grandstand steps of the MHP Arena Stuttgart. The build-up includes a particularly light-stable top sealer, **KLB-SYSTEM POLYUREA PU 5580**, based on polyurea (deviating from the standard build-up). The surface reliably protects the concrete against moisture from rain or spilled drinks – a crucial factor with up to 20 Bundesliga home games and other major events each season.

The stadium's grandstand-like architecture with extensive walkways and exposed concrete elements places high demands on appearance, slip resistance, and durability.

The selected **K3 surface protection system** provides R11 slip resistance, UV stability, and long-term resistance to mechanical stress. With its dynamic crack-bridging, the system safely accommodates structural movements caused by load changes – such as jumping and cheering fans – while ensuring reliable protection of the building fabric. A result to celebrate: A customised flooring solution for a modern Bundesliga stadium – technically sound and highly functional.



Top sealer
KLB-SYSTEM POLYUREA PU 5580

Elastic wearing and sealing layer
KLB-SYSTEM POLYURETHAN PU 5550, fully scattered with quartz sand **KLB-Quarzsand 0.3/0.8 mm**

Primer **KLB-SYSTEM EPOXID EP 5520**, openly scattered with quartz sand **KLB-Quarzsand 0.3/0.8 mm**

Watch it on
YouTube



@klbkoetzal

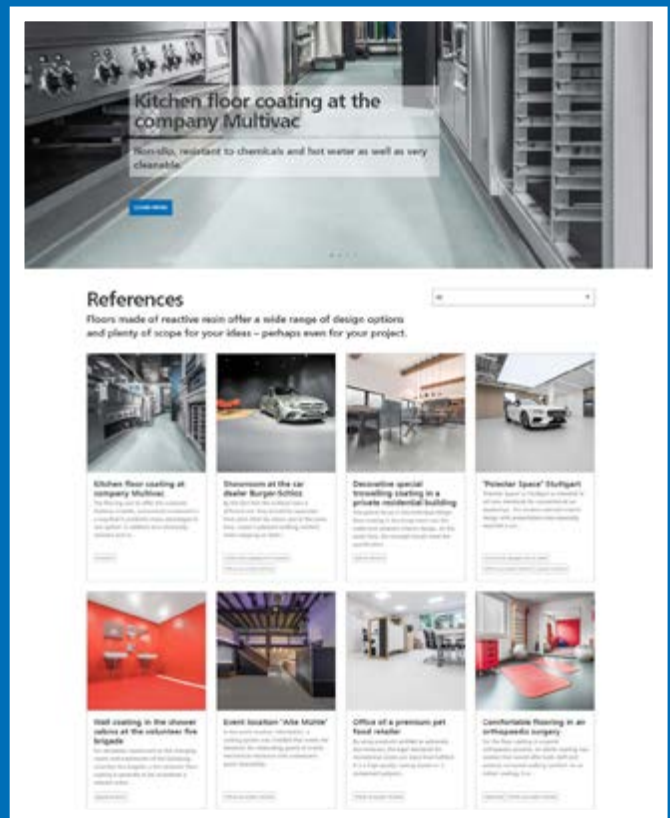


The systematic approach to great flooring.

You can find more systems and references on our website:



www.klb-koetzal.de/en/systemfinder



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

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.



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