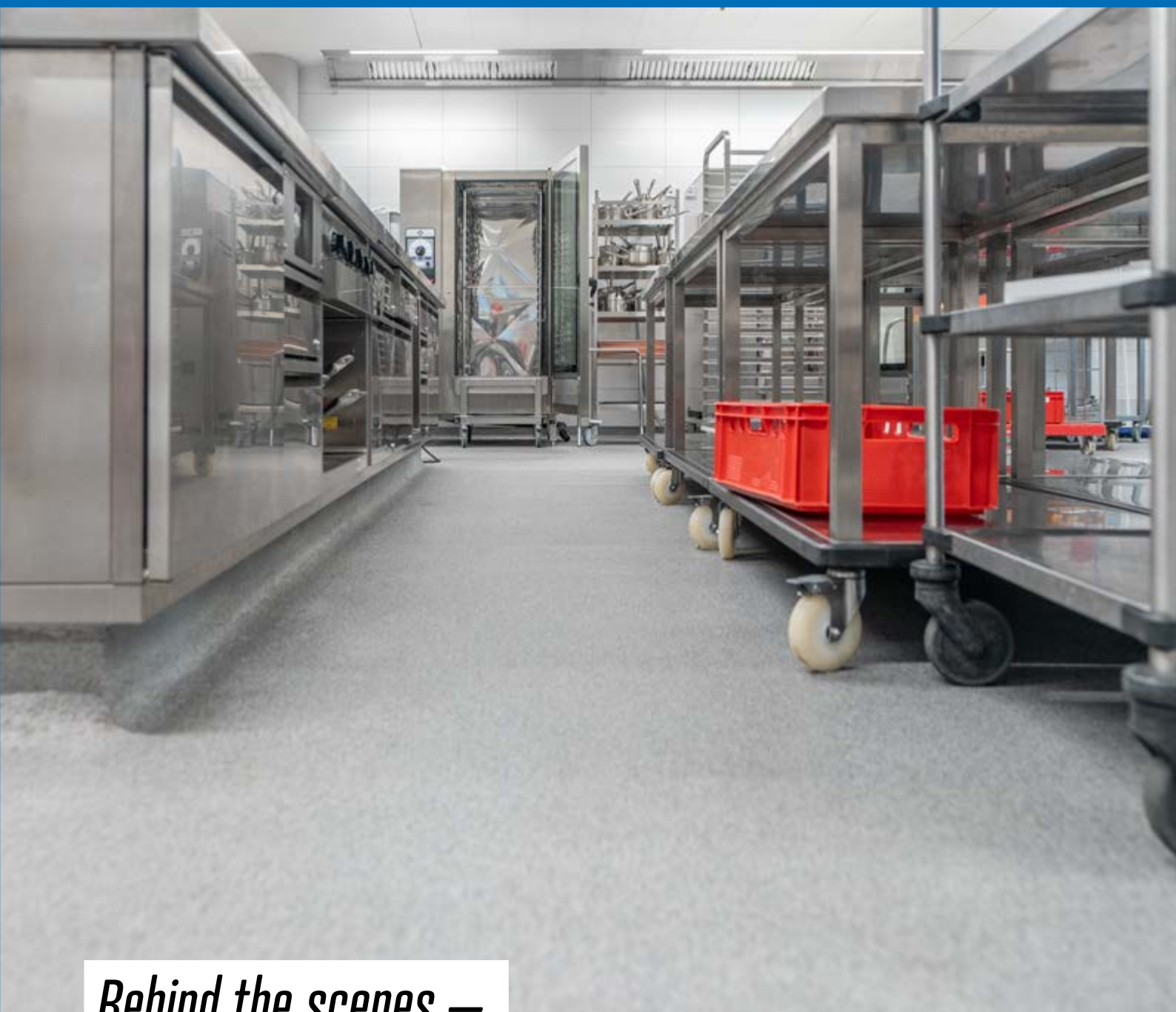


OBJECT INSIGHT

INSIGHT INTO VERY SPECIAL OBJECTS

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



*Behind the scenes –
Kitchen floor in the MHP Arena*

The Object

Large and commercial kitchen at the MHP Arena
70372 Stuttgart, GERMANY

Category: Hot and cold kitchen, dish washing area, storage room

Area size: approx. 150 m²

Completion: Sept. 2023

Floor covering:

Kitchen flooring – System H2

Area type:

Non-slip, water-resistant, robust coating

Requirements:

Liquid-tight, robust, slip-resistant. Seamless, hygienic surface

Colour tone:

CQS-4602

Base layer

PU 424 approx. RAL 7035



Insight: Waterproofing at Champions League level

With the European Technical Assessment (ETA) according to **EAD 030352-00-0503 (replacing ETAG 022)** and with **general building authority test certificate based on PG AIV-N "Test principles for composite waterproofings underneath floor coverings"**, system H2 can be used for constructions in accordance with DIN 18534 – Waterproofing for indoor applications – in **water exposure class W3-I and load category C**. The latter requires separate certification for use in areas with additional chemical exposure. Ideal for use in high-traffic areas such as commercial kitchens.



A strong base for tough requirements – durable, jointless, hygienic.



Where water needs to flow – secure ground connection to gutters.

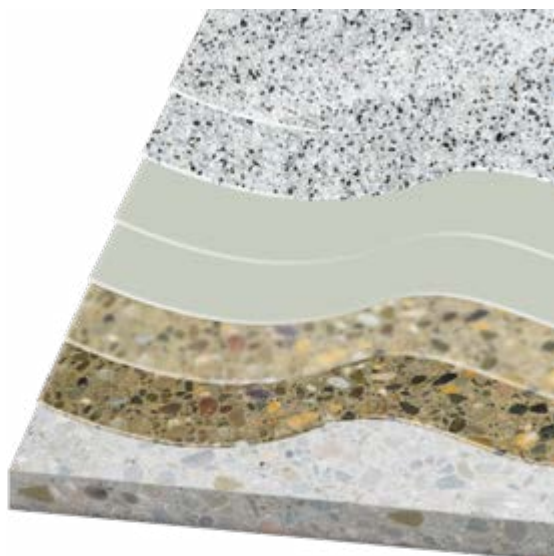
System H2 KLB KITCHEN LOW-VOC PU

FOODSTUFFS / COMMERCIAL KITCHENS



Using the low-emission **KLB KITCHEN LOW-VOC PU System H2**, a continuous hygienic, durable, and functional flooring solution was installed across several hundred square meters in the stadium kitchen of VfB Stuttgart soccer club. Particular focus was placed on the execution of the floor system to protect the building structure underneath.

With the tested composite waterproofings **CW 510/CW 512**, a floor build-up in compliance with DIN 18534 was installed. These waterproofings hold an **ETA according to EAD 030352-00-0503 (formerly ETAG 022)** and a **general building authority test certificate according to PG AIV-N** for waterproofing for indoor applications, in composite with a coating used as the wearing surface.



The **H2 system** offers key benefits tailored to the specific requirements of a commercial kitchen floor. The robust, jointless surface is easy to clean and meets all hygienic standards.

Its slip resistance ensures occupational safety (based on DGV 108-003), even in wet conditions. Even heavy service trolleys can be driven over the hard-wearing scattered layer without damage.

As the final sealing layer, **KLB-SYSTEM POLYURETHAN PU 484** provides a chemical and stain-resistant finish that stands up to long term heavy use. The coating system complies with the requirements posed by "Indoor Air Comfort Gold" Label version 6.0 (2017).

Top sealer **KLB-SYSTEM POLYURETHAN PU 484**

Top coat with **KLB-SYSTEM POLYURETHAN PU 424**, fully scattered with KLB coloured sand **CQS 0.3/0.8 mm**

2nd waterproofing layer **KLB-SYSTEM ABDICHTUNG CW 510**

1st waterproofing layer **KLB-SYSTEM ABDICHTUNG CW 510**

Scratch coat with **KLB-SYSTEM EPOXID EP 53 Spezialgrund AgBB** and mixed sand **KLB-Mischsand 2/1**, openly scattered with **KLB quartz sand**

Primer **KLB-SYSTEM EPOXID EP 53 Spezialgrund AgBB**

Watch it on
YouTube
 YouTube
@klbkoetzal

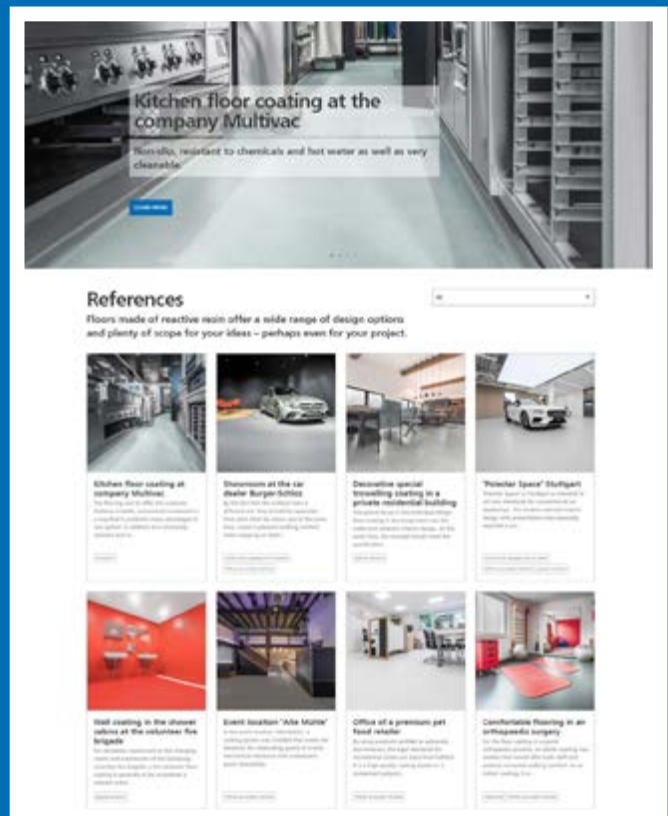


The systematic approach to great flooring.

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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