

OBJECT INSIGHT

INSIGHT INTO VERY SPECIAL OBJECTS

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



*Wall coating in the sanitary
area of the Ulm university*

The Object

Wall coating in the
sanitaries of the Ulm
university
D-89091 Ulm

Category: Restroom facilities
Area size: 460 m²
Completion: Nov 2020

Wall covering:
Wet-loadable mural coating
in the hygiene area

Area type:
Walls of the toilets

Requirements:
Resistant to water and
chemical substances, yet
easy to clean



Insight: Resistant to water and chemicals

First and foremost was the demand for a surface that would not be attacked by wetness or chemical substances, such as cleaning agents for the sanitaries. The wall coating had to remain colour-stable even when exposed to sunlight and be sufficiently robust for this demanding area of application.



Pore-free transitions between floor and walls.



Resistance to permanent exposure to wetness from splashing water.

Wall covering in the sanitary facilities

SPECIAL SOLUTIONS / FUNCTIONAL WALL COATINGS

As part of the new building complex at Ulm University of Applied Sciences, not only was a new flooring required, but the walls were also to be equipped with a suitable covering. In the toilets, the walls had to be moisture-tolerant to prevent penetration or damage from splashing water. In addition, importance was attached to general chemical resistance, also against detergents, and to jointless floor-wall transitions.

The fast-curing, environmentally friendly primer **EP 727 E** is particularly suitable for being used on walls and ceilings. Due to its pasty material consistency, **PU 662** can also be easily spread onto walls in combination with **reinforcement fleece VA 1044**.

Depending on how many layers of this low-VOC compound are applied, it is possible to achieve a high load-bearing capacity. What followed then was a fine trowelling with **PU 662** and a coloured matt sealer **PU 806 E - Wall**. A transparent, solvent-based protective coat of **PU 880** with very good light stability consolidates the water-repellent surface. This results in good mechanical or chemical resistance and ease of cleaning.

Another variant of the build-up was carried out in the WC areas that are not in contact with water without using **PU 662** or **reinforcement fleece**. Instead, several coloured and matt sealing layers of **PU 806 E - Wall** with high resistance to yellowing were applied.

Attention: differing system build-up!



The object shown has a special build-up. The installation technique and product composition for this flooring was developed and implemented by our customer. The tested and proven KLB systems provide a reliable basis for many such out-of-the-ordinary applications. For special circumstances or if you have individual design requirements, you can also optionally supplement or adapt our systems with other products from our high-quality portfolio. KLB consultants will be happy to answer any technical questions you may have. You can find KLB systems recommended by us on our website at:



www.klb-koetzal.de/en/systemfinder

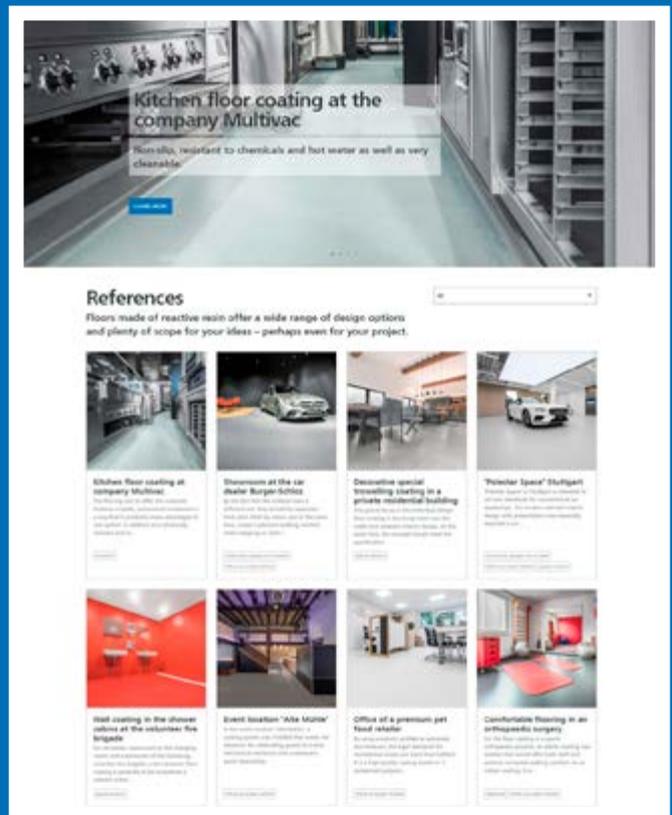


The systematic approach to great flooring.

You can find more systems and references on our website:



www.klb-koetzal.de/en/systemfinder



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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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