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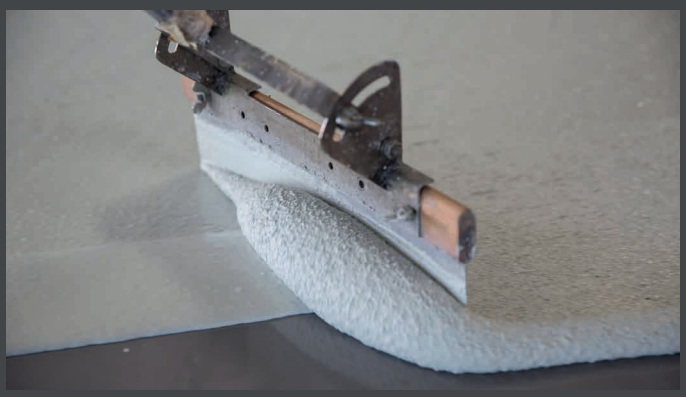
CASE STUDY

≫object: Underground Parking Berliner Bogen, Hamburg

Spiral ramp for entry and exit



Ready-to-use wear layer VIASOL UREA S6001 P

Final stage of the coating challenge
One weekend—entrance area of approx. 400 m²

The renovation of the approximately 5,000 m² underground parking garage at the Berliner Bogen, a heavily trafficked commercial property in the heart of Hamburg, placed high demands on materials, logistics, and time management. The requirements included minimal closure periods, a visually high-quality result, and maximum load-bearing capacity. Also, the property remained in continuous use, all while the entrance area was being coated during the final construction phase. Additionally, a rainwater overflow basin located beneath the garage required special care during concrete repair and waterproofing.
EPOWIT Bautechnik recommended the VIACOR's OS 10 system VIASOL ***DECK M rapid***, as alternative products on the market would have required significantly more complex procedures. The goal was the long-term preservation of the building structure, particularly through a highly durable, fast-curing coating. A particular challenge: carrying out the complete restoration (concrete repair, coating, painting, and marking) despite high user traffic. Thanks to the additional acceleration provided by the rapid system, the final renovation phase of the 400 m² entrance area was completed over a single weekend— decisive advantage for the operator.

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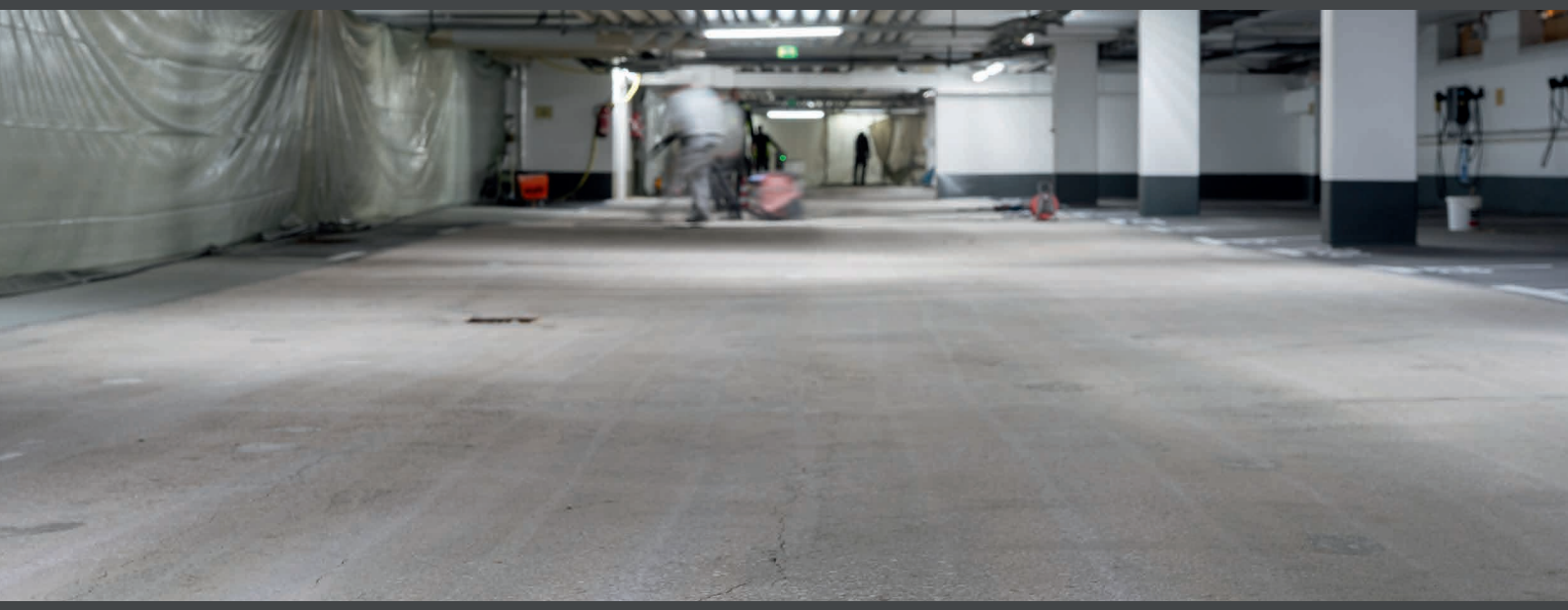
CASE STUDY

≫object: Underground Parking Berliner Bogen, Hamburg



Transition section

Primer EP-T703 SN

Application of VIASOL PU-L2000

Surface protection layer VIASOL PU-L2000

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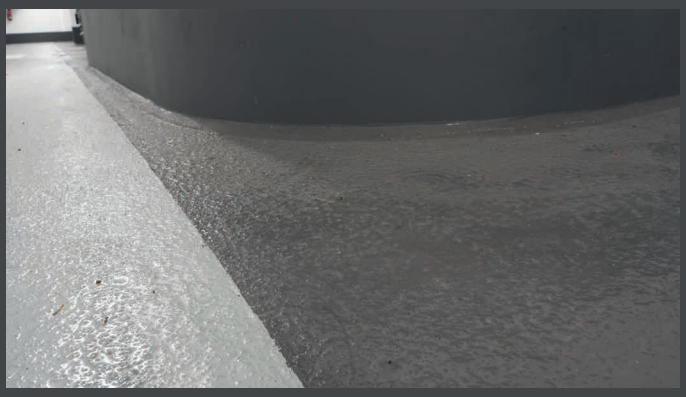
CASE STUDY

≫object: Underground Parking Berliner Bogen, Hamburg

Details

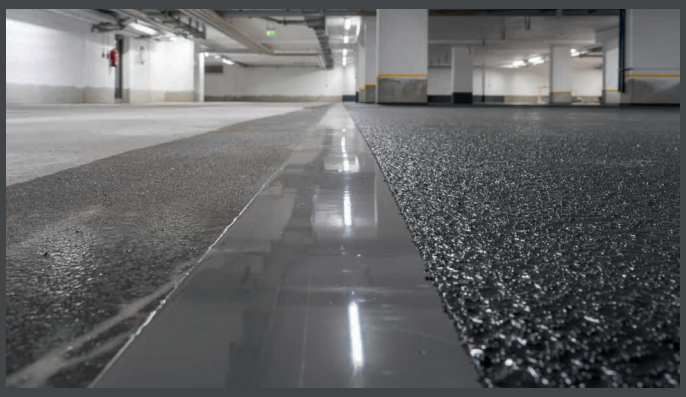


Round column base

Parking space lines/markings

Driving surfaces

Support pillar floor connection



Transition section

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CASE STUDY

≫object: Underground Parking Berliner Bogen, Hamburg

Product benefits of the fast-curing VIASOL ***DECK M rapid*** system with a manually applied waterproofing membrane

- Highly dynamic crack-bridging according to IV_{T+V}
- Fast-curing and low-temperature curing
- Reduced work steps and installation times
- Low-emission in accordance with the criteria of the Comittee for the Health Assessment of Building Products (AgBB)
- Highest wear resistance, tested using the Parking Abrasion Test (PAT), among others
- High dynamic crack-bridging class B4.2 and IV_{T+V} at -20 °C

HIGHLIGHT

The project is considered one of the most iconic renovation projects in Hamburg: The Berliner Bogen—known as the "giant greenhouse" at the entrance to the city center—was modernized with a flooring system that combines speed, protective performance, and aesthetics. VIACOR's system optimally meets the requirements for time savings and load-bearing capacity and thus became the contractor's first choice.

The product's resistance to wear is particularly demonstrated by its certification for the lowest possible wear class in the real-world Parking Abrasion Test (PAT) after 20,000 cycles.

The system design for the entrance area stands out for its fast processing times:

VIASOL EP-T703 SN as a primer—
can be recoated after about 2 hours

Scratch layer with VIASOL EP-T703 SN—
can be recoated after about 3 hours

VIASOL PU-L2000 as an adhesive and wear layer—
accelerated by PU-AC 115L—can be recoated after 4–5 hours

Wear layer VIASOL UREA S60 01 P—
fully open to traffic after about 24 hours

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