

Project Report/August 2023

StoFloor Traffic Elastic PM MultiBase for Spindle and Ramps of Uni Clinic Ulm

The multi-storey car park of the University Hospital Michelsberg in Ulm offers over 420 parking spaces on 5 floors and is always well frequented. After years of intensive use, comprehensive refurbishment measures were now pending. In the current construction phase, the ramps and spindles, which are heavily used by traffic, have been renewed. Over time, driving, accelerating and braking vehicles cause far more excessive damage to the surfaces of these components than to other traffic or parking areas. The significantly higher loads induced by shearing and shearing forces lead to increased wear. In addition, their design entails the risk of cracks forming as a result of dynamic vibrations from the cars driving in. The surface protection of these components must be adapted to those requirements. Not to forget the high demands on slip resistance, especially when wet.

The team of experts and the investor opted for the **StoFloor Traffic Elastic PM MultiBase** multi-storey car park system for the repair of the ramps and spindles in the current construction phase. The high-quality traffic coating is a full-featured, tested surface protection system class OS 10. It has a high level of wear resistance and increased crack bridging with slip resistance class R11 V10. The elastic surface protection system has three layers with a non-flowing waterproofing layer. Processed quickly and odourlessly in just three work cycles, without the need for additional scattering with quartz sand and top sealing - the shortest construction time enables the operator to reopen the car park quickly and minimises downtimes.

The increased dynamic crack bridging prevents crack formation and thus the penetration of water and the pollutants dissolved in it. The concrete and reinforced steel of the spindle and ramp construction are thus permanently protected. The stability of the component is thus secured in the long term and further renovation work and downtimes are reduced. StoFloor Traffic Elastic PM MultiBase is suitable for use in case of rising damp without causing the coating system to become detached. The functionality is permanently retained.

Properties of **StoFloor Traffic Elastic PM MultiBase**

- StoCretec PUR multi-storey car park system with increased crack bridging
- Surface protection class OS 10
- On concrete and cementitious screed
- For open decks, intermediate ceilings, ramps and spindles in multi-storey car parks
- Suitable for rising damp
- Resistant to severe chemical attack
- Very good wear resistance
- Quick-curing
- No scattering and no separate sealing coat required
- Odourless application
- Various test certificates available for skid resistance
- Tested system build-up with voluntary external monitoring
- Limited combustibility system build-up
- In accordance with EN 1504-2 and EN 13813

Who & What

Project:	Multi-storey car park, uni clinics Michelsberg, Ulm, DE
Investor:	Universitaetsklinikum Ulm, DE
Applicator:	Leonhard Weiss GmbH & Co. KG, Göppingen, DE
Realisation:	8/2023
StoCretec-Competence:	StoFloor Traffic Elastic PM MultiBase Primer StoPox GH 500 Scattering StoQuarz 0,3 - 0,8 mm Waterproofing layer StoPur PM MultiBase Wearing course StoPur AC MultiCoat

(Photos: Martin Duckek for StoCretec)









