

Project Report/May 2025

We refurbish your multi-storey car park according to your individual colour concept!

The Sparkasse car park Zentrum / Schloss in Ettlingen, the second-largest city in the Karlsruhe district in Germany, has undergone extensive refurbishment. The multi-storey car park offers over 400 parking spaces on two levels and it is very well frequented due to its central location.

In addition to the technical upgrades, the coatings of the walls and flooring were refurbished. The investor opted for our proven StoCretec multi-storey car park floor coating systems. The German bank's car park also boasts a completely new look created by our StoDesign Interior colour and orientation concept.

StoDesign's concept incorporated the colour scheme for the north and south sections of the car park, as well as for the parking areas on the first and second underground levels. The southern parking area was given a green colour scheme, inspired by the plane trees in the square in front of the corresponding exit.

The northern parking area, on the other hand, is adorned with a blue colour scheme that both echoes the motifs of the exit to the Alb River and envelops the sprinkler enclosure with colour and design. In this way, the colour concept reflects the clear positioning through colouring. The driving areas are light-coloured, contrasting with the darker parking carpets. Clear accents for the exits, elevator cubes, and stairwells, as well as the white markings on the floors and walls, provide explicit orientation within the car park.

StoCretec multi-storey car park systems meet all technical and aesthetical requirements

On approximately 5,900 square metres of the first basement flooring area, the long-term proven StoCretec OS 10 traffic area system **StoFloor Traffic Elastic BA 2000** was applied.

Beforehand, the floor substrate was prepared using suitable mechanical methods and reprofiled with StoCretec concrete repair products.

StoFloor Traffic Elastic BA 2000 prevents damage to the building structure caused by water and de-icing salts dissolved in water, which are carried into the underground car park by vehicles during the winter time. The StoCretec OS 10.2 surface protection system is highly crack-bridging. The system's proprietary PUR protective layer waterproofs the concrete components, ensuring stability and a longer service life of the car park without the need for maintenance.

The permanently elastic StoPur BA 2000 spray-on waterproofing layer consists of an unfilled, two-component polyurethane resin. It is applied using a time-saving hot-spraying method. The specialised applicator also applied the system to walls and columns to protect the surface of the baseboard areas.

The **StoPox TEP MultiTop** wearing layer is an EP-PU hybrid floor coating for increased performance. It is part of the tested StoCretec surface protection systems for traffic structures.

StoPox TEP MultiTop is resistant to oils and fuels. It is highly wear-resistant and dynamically crack-bridging. Independent test reports confirm the wear resistance of **StoPox TEP MultiTop** in existing car parks after 20 years of intensive use.

The slip-resistant OS 8 system **StoFloor Traffic DV 100** was applied on the 5,600 square metre floor slab of the Sparkasse car park. This epoxy resin system is highly wear-resistant and suitable for floor slabs with rising damp. It reliably protects the building structure from water, chlorides, oils, and fuels.

StoFloor Traffic DV 100 is primarily designed for the application on floor slabs and ramps. The elasticised StoPox DV 100 waterproofing provides high-quality visual characteristics with a slip resistance rating of R 11 V 4.

Properties of **StoFloor Traffic Elastic BA 2000**

- PUR waterproofing system with its own protection layer
- StoCretec surface protection system OS 10.2
- Crack-bridging

- Very good wear resistance
- Resistant to severe chemical attack
- Limited combustibility system build-up
- Large number of long-term references

Properties of **StoFloor Traffic DV 100**

- StoCretec EP multi-storey car park system
- For concrete or cementitious screed floor slabs and ramps in multi-storey car parks
- Slip-resistant
- Tested for rising damp
- Resistant to severe chemical attack (EN 13529)
- Very good wear resistance
- Limited combustibility system build-up
- Tested system build-up with voluntary external monitoring
- In accordance with EN 1504-2 and EN 13813
- Thermal compatibility and resistant to thermal shock
- Various test certificates regarding slip resistance available
- Colour spectrum: RAL colour fan K 5, StoColor System, NCS, others

Who & What

Project:	Multi-storey car park, Ettingen, DE
Investor:	Sparkasse Karlsruhe, Karlsruhe, DE
Planner:	AMP Parking Europe GmbH, Karlsruhe, DE
Applicator:	Geiger Bauwerkssanierung GmbH & Co. KG, Filderstadt, DE
Colour Concept:	StoDesign Innenraum Stühlingen, DE
Realisation:	11/2023

StoCretec Competences:

Concrete repair

Repair mortar	StoCrete TG 203
Bonding agent	StoCrete TH 200
Corrosion protection	StoCrete TK
Fairing coat	StoCrete TF 204
Coating	StoCryl V 100

Screed material	StoCrete TG 114
Bonding agent with integrated corrosion protection	StoCrete TH 110
Nassspritzmörtel	StoCrete TS 203

StoFloor Traffic Elastic BA 2000 - OS 10.2

Primer	StoPox BV 100
Broadcast	StoQuarz 0,3 - 0,8 mm
Bonding agent	StoPur VS 70
Waterproofing layer	StoPur BA 2000
Wearing layer	StoPox TEP MultiTop with StoQuarz
Broadcast	StoQuarz 0,3 - 0,8 mm
Sealing coat	StoPox DV 100

StoFloor Traffic DV 100 - OS 8.8

Primer	StoPox GH 502
Surface protection coat	StoPox GH 502 with StoQuarz 0,1 - 0,5 mm
Broadcast	StoQuarz 0,3 - 0,8 mm
Sealing coat	StoPox DV 100

EP corrosion protection	StoPox ZNP
Sealing coat	StoPur WV 150



Photos: www.MedialProd.de, Hans-Jürgen Götz









