

StoFloor Traffic Elastic PM MultiBase

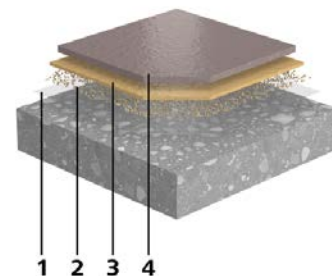
Quick-curing OS 10 – PUR/UREA multi-storey car park system with increased crack bridging

Floor coating



Coating for traffic areas

StoFloor Traffic Elastic PM MultiBase is characterised by short installation times, dynamic crack bridging, and very high wear resistance. It is used in multi-storey and underground car parks as well as in exterior parking areas that are exposed to weathering.



- 1 — Primer: StoPox GH 500 or StoPox GH 532
- 2 — Broadcasting: StoQuarz 0.3–0.8 mm
- 3 — Waterproofing layer: StoPur PM MultiBase
- 4 — Wearing course: StoPur AC MultiCoat



The StoFloor Traffic Elastic PM MultiBase system for traffic areas is fast-curing. It is ready for foot traffic within just a few hours of application and suitable for vehicle traffic after just 24 hours. Blocking times are short – a clear advantage for car park operators.

The StoPur PM MultiBase waterproofing membrane meets the most exacting requirements placed on surface protection systems with regard to dynamic crack bridging at -20°C (class B 4.2 in accordance with EN 1062-7 and class IV_{T+V} in accordance with ZTV-BEL-B 3). Furthermore, the main effective surface protection layer, which is applied without nonwoven, has an incredible coverage rate of up to 1,500 m² per day.

This system wastes no time on broadcasting in excess with quartz sand and a subsequent sealing coat – the StoPur AC MultiCoat wearing course is applied in a single application cycle. The overlay is a highly abrasion-resistant and wear-resistant textured coating with built-in slip resistance (R11 – V10). Its outstanding resistance to traffic loads has been proved in various wear simulation tests:

- Parking Abrasion Test (PAT)
- Aachener Raveling Tester (ARTE), even under stress from spike tyres
- Wear simulation in accordance with EN 13197 (RPA)

Underground car park, S-Finanz-Campus, Kassel, DE
StoCretec expertise: StoFloor Traffic Elastic PM MultiBase, StoPur DV 508
Photo: Guido Erbring



The polyurea-based material is also chemically resistant to oils, fuels, and de-icing salt, as well as being UV-resistant and colour-fast. The parking areas will not yellow or bleach out, and the concrete foundation benefits from lasting protection against damage from harmful substances. The low-odour and plasticiser-free system is pleasant to apply. The reduced use of quartz sand (minus 90 per cent) and the absence of the sealing coat reduce overheads for both materials and transport, as well as conserving resources. Renewable raw materials are used in the manufacture of the polyurethane resin.

Properties:

- Quick-curing, even at low temperatures
- Short installation times
- Very high wear resistance
- No broadcasting in excess required: 90 per cent saving on sand
- Dynamic crack bridging: class B 4.2 in accordance with EN 1062-7 at -20°C and class IV_{T+V} in accordance with ZTV-BEL-B 3
- Plasticiser-free
- Odourless
- No carbamate formation
- Reaction to fire: Bfl-s1
- Tested and approved surface protection system of class OS 10 in accordance with DAfStb (German Committee for Reinforced Concrete) directive SIB:2001-10

Cover photo:
Car park, university hospital, Ulm, DE
StoCretec expertise:
StoFloor Traffic Elastic PM MultiBase
Photo: Martin Duckek

Your benefits

- Short blocking times, reduced downtime costs
- Very low wear, high durability
- UV-stable and colour-fast
- No separate sealing coat required
- Reduced material costs
- Reduced transport costs to site

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