



COATING SYSTEMS FOR PARKING DECKS

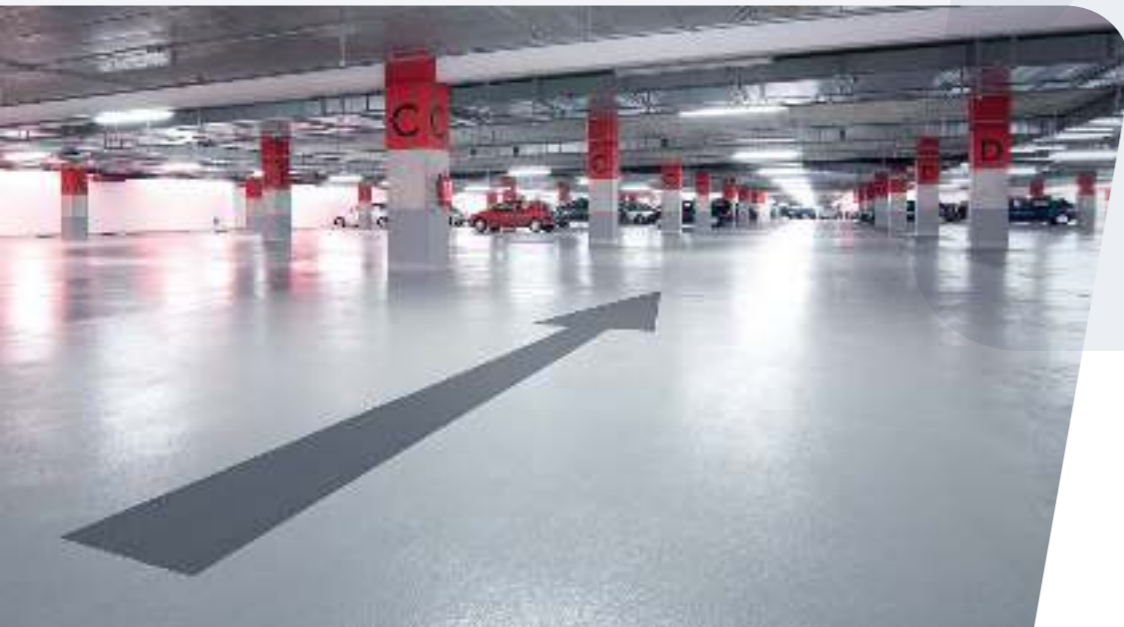
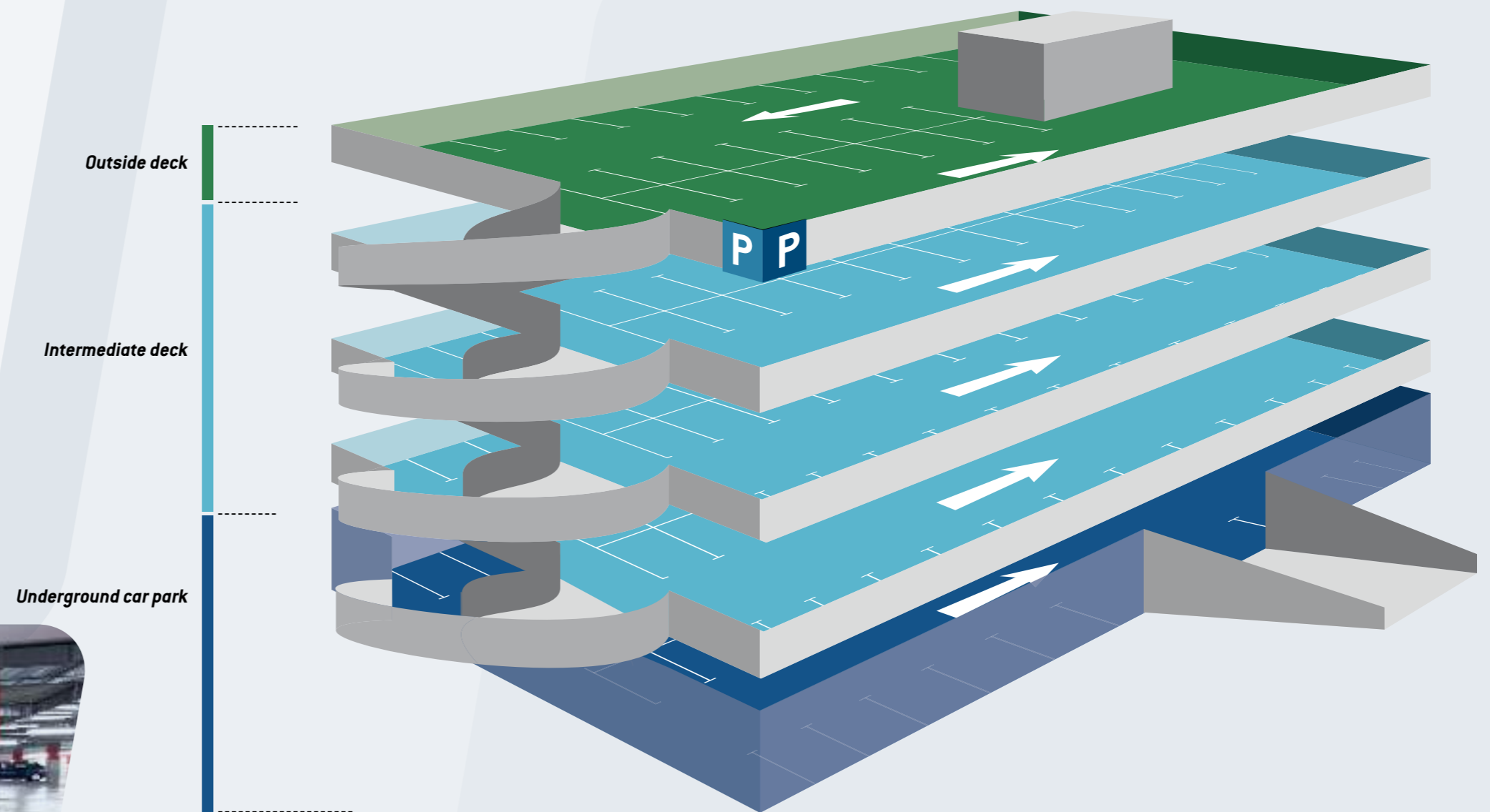
*Protection and
safety – for
over 30 years.*

PROTECTING CAR PARKS

One structure, several challenges.

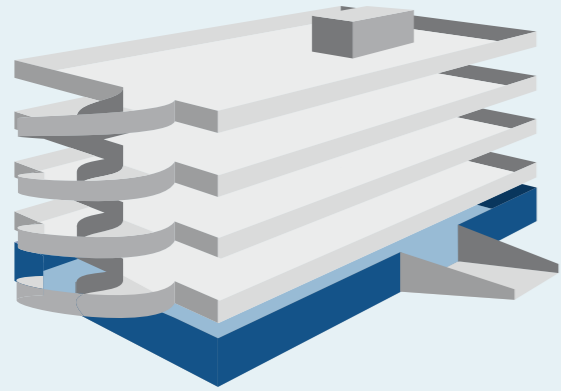
The trend towards urbanisation and the associated rising populations around major urban and industrial centres are leading to a continuous increase in the number of registered vehicles every year. Underground and multi-storey car parks are constantly growing in importance as there is a **rising need for parking spaces** in the ever-more-densely populated agglomerations. These car parks allow for high capacities over the smallest possible area, and can be built in close proximity to the centres. It is, however, vital to ensure that the building structure is preserved by means of comprehensive surface protection.

The driving areas and parking decks in car parks are subjected constantly to **different strains**, primarily mechanical, chemical and weather related. These strains apply not only to these areas but also to non-drivable ones such as walls and pillars. CONICA has developed high-quality system solutions with a view to ensuring the **durability and safety** of parking decks. They are perfectly tailored to meet the specific requirements of **outside decks, intermediate decks and underground car parks**, and are suitable for use in both new builds and refurbishments. They comply with the latest ISO quality standards as well as the requirements of DIN EN 1504-2 and the DAfStb (German Committee for Reinforced Concrete).



UNDERGROUND CAR PARK

Protection against high strains.



As with other areas in parking structures, floors in underground car parks are subject to chemical and thermal influences, while also being required to resist above-average mechanical strain. **CONIPROOF PES** provides the ideal response to these demands. The OS 8 system is abrasion-resistant and can withstand high levels of strain. What is more, it is designed in such a way that moisture from the underside of the floor tiles does not cause any problems. The surface guarantees optimum safety for pedestrians and traffic thanks to its anti-slip properties.



CONIPROOF PES



SYSTEM.

CONIPROOF PES is a rigid parking-deck coating based on epoxy resin. The system consists of a primer layer which is supplemented by an optional scratch filling to even out rough surfaces, a bedding layer and a sealing layer (epoxy resin or polyaspartic based). The layers are applied seamlessly, offering optimum surface protection as a result.

APPLICATION.

Areas of application include underground car parks, roofed entry ramps and spiral ramps.

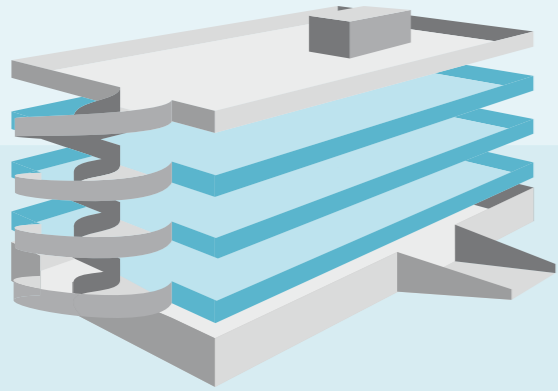
TEST STANDARDS.

The system has been tested as a surface protection system in accordance with OS 8 of Rili SIB from the DAfStb (German Committee for Reinforced Concrete) and with DIN EN 1504-2 and DIN V 18026.

CE

INTERMEDIATE DECK

A dynamic response to all strains.



The strains faced by the floorings of intermediate decks are different to those faced by other surfaces in car parks. Vibration of the decks caused by traffic results in cracks, into which moisture and pollutants can penetrate, which in turn can damage the underlying structure through corrosion. **CONIPROOF PPC sl** effectively counteracts this effect. The wear layer ensures efficient and dynamic crack bridging, and the system, which is designed in accordance with OS 11b, also offers optimum non-slip safety for pedestrians and traffic.



CONIPROOF PPC_{sl}



SYSTEM.

CONIPROOF PPC sl is a flexible, crack-bridging parking-deck coating based on polyurethane. The system consists of a primer layer which is supplemented by an optional scratch filling to even out rough surfaces, a thicker bedding/wear layer than *CONIPROOF PES* and a sealing layer (epoxy resin or polyaspartic based). The layers are applied seamlessly, offering optimum surface protection as a result.

APPLICATION.

The system is used primarily on intermediate decks, where enhanced crack bridging is required. It can also be used on exposed surfaces, in which case a UV-resistant sealing layer is applied.

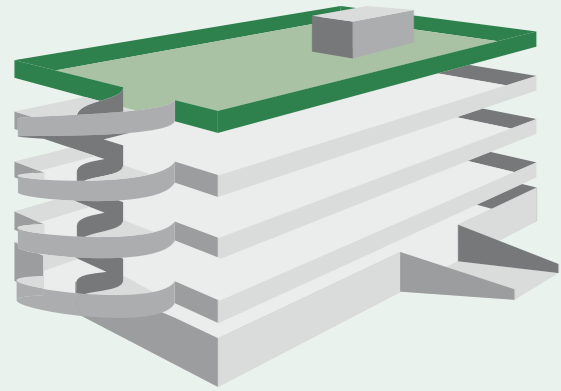
TEST STANDARDS.

The system has been tested as a surface protection system in accordance with OS 11b of Rili SIB from the DAfStb (German Committee for Reinforced Concrete) and with DIN EN 1504-2 and DIN V 18026.

CE

OUTSIDE DECK

Multifunctional protection.



Unlike underground car parks and intermediate decks, outside decks are exposed to a number of different weather conditions. UV radiation, rain, snow, ice, hail and extreme temperature fluctuations all demand a great deal from a flooring system. **CONIPROOF PPC dl** is designed to deal with precisely these conditions. The wear layer of the OS 11a system ensures optimum non-slip safety for pedestrians and traffic. In addition to increased crack bridging in temperatures as low as -20°C , the application of a special fast-hardening, UV-resistant sealing layer (polyaspartic based) also ensures excellent UV resistance.

CONIPROOF PPC_{dl}



SYSTEM.

CONIPROOF PPC dl is a flexible, crack-bridging parking-deck coating based on polyurethane. It consists of a primer layer which is supplemented by an optional scratch filling to even out rough surfaces, a bedding/wear layer and a sealing layer. Here, an additional elastic floating layer is applied between the primer layer and the bedding layer to increase the safety of this car-park flooring system with dynamic crack-bridging properties.

APPLICATION.

The system is used primarily on exposed top-floor parking decks, but also on intermediate decks.

TEST STANDARDS.

The system has been tested as a surface protection system in accordance with OS 11a of Rili SIB from the DAfStb (German Committee for Reinforced Concrete) and with DIN EN 1504-2 and DIN V 18026.

CE



STRAIGHT RAMPS, SPIRAL RAMPS AND NON-DRIVABLE SURFACES

Protection and visual appeal guaranteed.



CONICA'S FLOORING SYSTEMS ALSO ENSURE SAFETY ON STRAIGHT AND SPIRAL RAMPS.

The radius and slope of entrance and exit ramps in multi-storey car parks present a particular challenge. If this challenge is not reliably met, the operation and safety of these car parks are bound to suffer. The centrifugal force acting on vehicles driving on straight and spiral ramps must be absorbed, which only works with non-slip floorings that are also resistant to mechanical strain. CONICA has developed systems for this purpose which are highly hard-wearing and offer reliable slip resistance.

MULTIFACETED PROTECTION FOR NON-DRIVABLE SURFACES.

CONICA also offers coatings for non-drivable surfaces such as car park walls and pillars that are able to meet the special challenges described above, are dirt-repellent and halt the spread of aggressive substances.



CONICA CAR PARK COATINGS

The systems at a glance.

| |  CONIPROOF PES UNDERGROUND CAR PARK |  CONIPROOF PPC si INTERMEDIATE DECK |  CONIPROOF PPC di OUTSIDE DECK |
|---|--|--|---|
| Dynamic crack bridging | – | B 3.2 | B 3.2 |
| Slip resistance tested/R class/V displacement space | R 12 V4 R 12 V8 | R 12 V8 | R 12 V6 |
| Reaction to fire as per DIN EN 13501-1 | Bfl-s1 | Cfl-s1 | Bfl-s1 |
| Colour stability | – (very good in combination with sealing lacquer CONIPROOF 591/1) | – (very good in combination with sealing lacquer CONIPROOF 591/1) | – (very good in combination with sealing lacquer CONIPROOF 591/1) |
| Test standards | OS 8 EN 1504-2 | OS 11b EN 1504-2 | OS 11a EN 1504-2 |

VISUAL DESIGN POSSIBILITIES

Show your colours.



CONICA coatings for car parks are available in a wide range of colours, with the entire colour spectrum to choose from for an attractive colour scheme with navigation, signage and markings. Colour fast, lightfast and durable – with no loss of quality, resistance or durability on both drivable and non-drivable surfaces.

Top rankings in every discipline.

CONICA AG, Schaffhausen, Switzerland



FUNCTIONAL FLOORING

SPORTS FLOORING



TRACK AND FIELD FACILITIES



DECORATIVE



INDUSTRIAL



TENNIS COURTS



PLAYGROUNDS



WATERPROOFING



PERMEABLE PAVINGS

PARKING



Member of:



SPORTS FLOORING – WORLD LEADER FOR OVER 35 YEARS.

CONICA has been active in the sports flooring business for more than 35 years, and knows the requirements of the global market better than almost anyone else. Athletes, spectators and experts alike are all inspired by the innovative, reliable and environmentally friendly sports flooring systems from CONICA. These systems are developed and manufactured at our site in Schaffhausen using state-of-the-art production processes with the support of our own in-house laboratory. The high quality of our systems is underlined by the large number of international certifications.

FUNCTIONAL FLOORING – A CONSTANT EXCHANGE OF EXPERIENCE.

CONICA also has an equally rich background in the area of industrial flooring, and its products can be found at numerous sites worldwide. Thanks to continuous research and development, top solutions keep on being produced in the company's second main segment of Functional Flooring for a wide range of uses – in industry, in the urban environment, in residential space, in waterproofing or in special solutions for car parks.

CAR PARK COATINGS – INNOVATION IN A SPECIAL DISCIPLINE.

Surfaces for parking decks and in multi-storey car parks must be able to both resist mechanical strain and withstand physical and chemical influences. CONICA offers customised solutions for all requirements, with innovative and high-quality systems which benefit both the installation partners and the operators.

CONTACT.

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