

VIACOR *case study*

>> object: Car Wash Oskar Ruff & Co. OHG, Esslingen



Spray membrane – perfect waterproofing



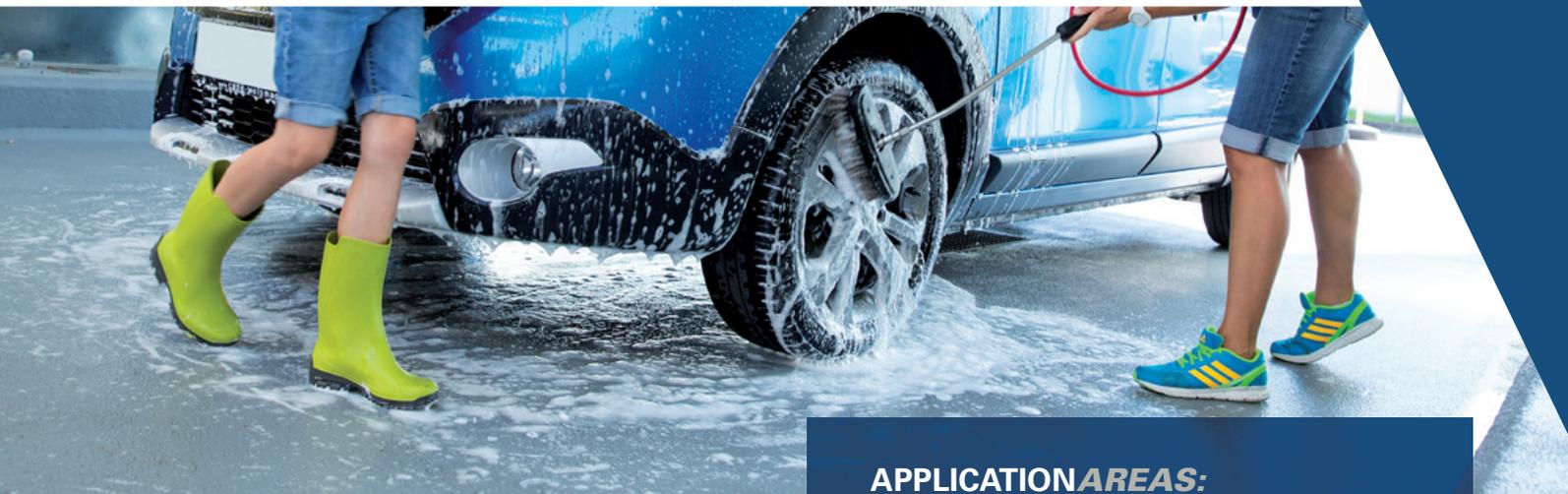
Not only the cars look great

BIG WAVE pit stop – 600,000 litres a day

A car wash processes up to 1,000 cars a day and for each 600 litres of water are necessary. In addition, high-pressure cleaners shoot this water with 120 bar on everything that is within this car wash. A hard daily workload – car by car and one high-pressure wash after another. And all kinds of footwear are taking its toll on the car wash at full blast.

Nobody driving into a car wash thinks about the floor on which he is standing. In the end it's all about the car and its cleanliness. But it's the flooring that has to withstand a lot. Oil, gasoline, diesel, de-icing salt, suds as well as other chemicals affect the coating during every cycle. Despite this enormous strain, of course, nothing is allowed to enter the soil. All liquids must be discharged into the appropriate receptacles. These are high demands placed on the coating system.

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APPLICATION AREAS:

The system VIASOL**DECK** belongs to the vehicle-traversable VIASOL systems of VIACOR with enhanced crack-bridging and waterproofing properties. Application areas are multi-storey car parks, exposed decks and garages.

At the car wash Oskar Ruff & Co. OHG in Esslingen, CBL Chemobau coated both the fully automatic roadways and the SB Clean Park using with the system VIASOL**DECK rapid**. This waterproofing system of VIACOR Polymer GmbH is fast-curing at low temperatures as well as highly resistant to abrasions and chemicals. A separate wear coat ensures a very good slip resistance, which is absolutely necessary for a (self-service) car wash to prevent injuries. This allows pedestrians and staff to move safely about in the car wash. The system VIASOL**DECK rapid** complies with DIN EN 1504-2 and DIN V 18026, class OS 11a (OS Fa) and RILI SIB 2001, class OS10 as a drivable waterproofing and is therefore ideally suited for any car wash.

The highly reactive spray membrane, which is applied using a special 2-component hot spray machine, enables a seamless connection of the flooring and the wall as well as other installation parts.

A further advantage is the fast reaction time that makes it possible to coat vertical surfaces easily and also allows applying a higher layer thickness in order to create a functioning sealing. The dynamic crack bridging system VIASOL**DECK rapid** is proven for class B4.2 at -20°C.



Highly abrasion resistant



Slip-resistance surface

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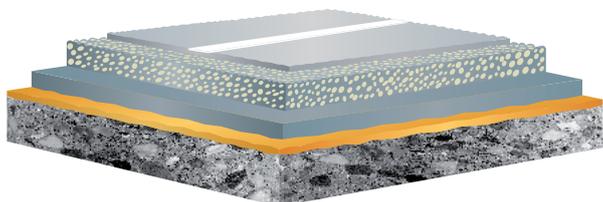


STRUCTURE AND SYSTEM COMPONENTS

Sealer	VIASOL PU-S690 P
Top layer	VIASOL PU-L315
Seal coat	VIASEAL HYBRID 21/60
Scratch coating	VIASOL PU-L315
Primer	VIASOL EP-T703
Substrate	concrete, cementitious screed and others

VIASOLDECK rapid

Fast curing car park deck coating system with separate, spray applied waterproofing membrane and wear coat with enhanced crack bridging properties class B 4.2 and IV_{T+V}



System thickness: 4,5 – 5,5 mm

Variations in system structure and thickness are possible

SYSTEM HIGHLIGHTS

- Fast and low temperature curing
- Dynamic crack bridging acc. to EN 1062-7 class B4.2 (-20°C) and RILI SIB class IV_{T+V}
- Seamless application with spray applied membrane for reliable waterproofing
- Separate waterproofing membrane and wear coat
- High abrasion resistance
- Good chemical resistance (oil, de-icing salt, petrol, diesel)
- Slip resistant surface for car traffic and pedestrian traffic
- Available in many colours
- Very high color and UV-stability with PU
- Fire resistance class B_{fi}-S1

SYSTEM BENEFITS

- Approved according to DIN EN 1504-2 and DIN V18026, class OS 11a, RILI SIB 2001, class OS10, BAST listed OS Fa
- Crack bridging class B 4.2 and IV_{T+V}



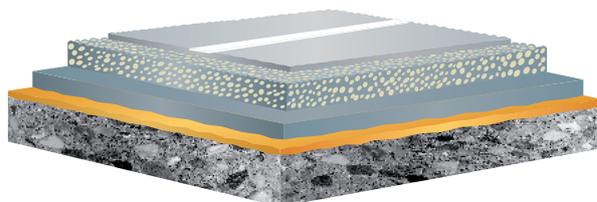
Spray-coating

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VIASOLDECK 11a plus

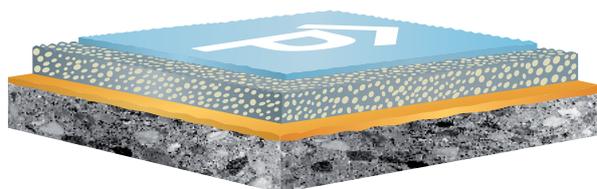
Car park deck coating system with separate membrane and wear coat with enhanced crack bridging properties (class B 3.2) for multi storey car parks for exposed and intermediate decks and sidewalks on bridges with pedestrian and vehicle traffic. According to EN 1504-2 and DIN V 18026, class OS 11a / OS Fa.



System thickness: 4,0 – 4,5 mm
Variations in system structure and thickness are possible

VIASOLDECK 11b plus

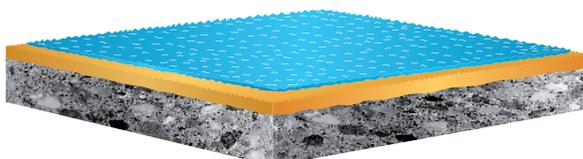
Car park deck coating system with combined membrane and wear coat with enhanced crack bridging properties (class B 3.2) for multi storey car parks in intermediate decks with pedestrian and vehicle traffic. According to DIN EN 1504-2 and DIN V 18026, class OS 11b/OS Fb.



System thickness: 4,5 – 5,5 mm
Variations in system structure and thickness are possible

VIASOLDECK OS8

Car park deck coating system for ramps, spirals and underground garages with pedestrian and vehicle traffic and for slip resistant industrial floors with medium to heavy load. According to DIN EN 1504-2 and DIN V 18026, class OS 8.



System thickness: 1,5 – 2,5 mm
Variations in system structure and thickness are possible

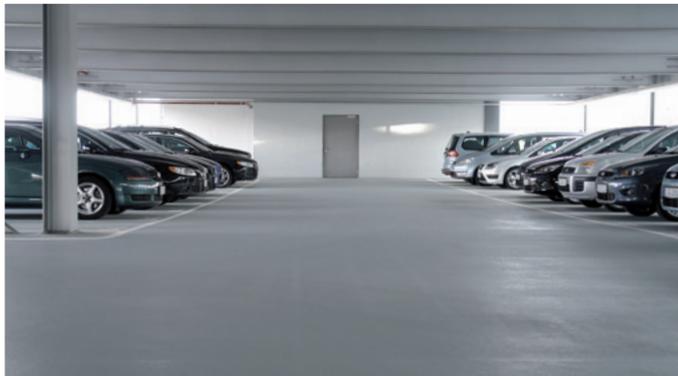
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CRACK-BRIDGING SYSTEMS

for parking and traffic areas place high demands on the technology of the coating industry. They have to be high-performing and at the same time economically effective due to the large area sizes.

With the new coating Oskar Ruff's car wash shines in new splendour! The system VIASOL**DECK** gives a reliable protection for the concrete and the building. All safety reasons are provided and the flooring strikes with its attractive design.



Intermediate deck



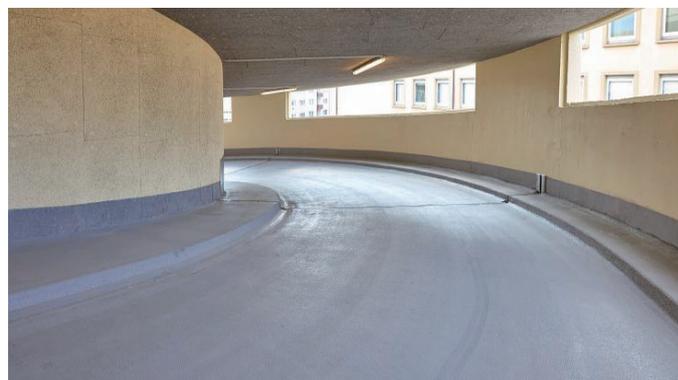
The colorful variety

Coating company:

CBL Chemobau Industrieboden GmbH
Maybachstr. 14-18
D-74211 Leingarten

Manufacturer:

VIACOR Polymer GmbH
Graf-Bentzel-Str. 78
D-72108 Rottenburg a. N.



Ramp