

RINOL Parking

Protection, safety and durability for high-performance traffic surfaces



Founded in Germany over 60 years ago, RINOL was created with a clear mission: to develop continuous resin flooring systems capable of performing in the most demanding industrial environments. Over decades, the brand has built a strong reputation among organisations that cannot afford downtime, combining long-term experience with ongoing R&D and carefully engineered application details to deliver surfaces that last and perform consistently.

Beyond products, RINOL supports customers throughout the project with guidance and specialist assistance to match real operational needs.

What distinguishes RINOL is its integrated, manufacturer-driven approach: system components are developed, produced, and tested, ensuring consistent quality, fast availability, and reliable performance across applications. Today, as part of the RCR Industrial Flooring group, RINOL stands alongside other established brands yet remains focused on high-performance flooring solutions engineered for demanding environments.

RINOL is also among the most extensively certified options in its category: the organisation operates under internationally recognised management standards (ISO 9001, ISO 14001 and ISO 45001), and several RINOL products are certified to meet rigorous performance and safety requirements for specific applications.

RCR Industrial Flooring

RCR Industrial Flooring is an international group that delivers high-performance industrial flooring solutions for demanding environments where performance and reliability are critical, across a wide range of sectors and applications. Founded in 2006 through the integration of long-established European expertise, the group was created to offer a more complete approach that combines technical design, system capability, and specialist execution within one global organisation.

Over time, continuous growth in existing and new markets, both organically and through complementary acquisitions, has strengthened RCR Industrial Flooring's international presence and know-how, integrating decades of technical and market experience in industrial flooring.

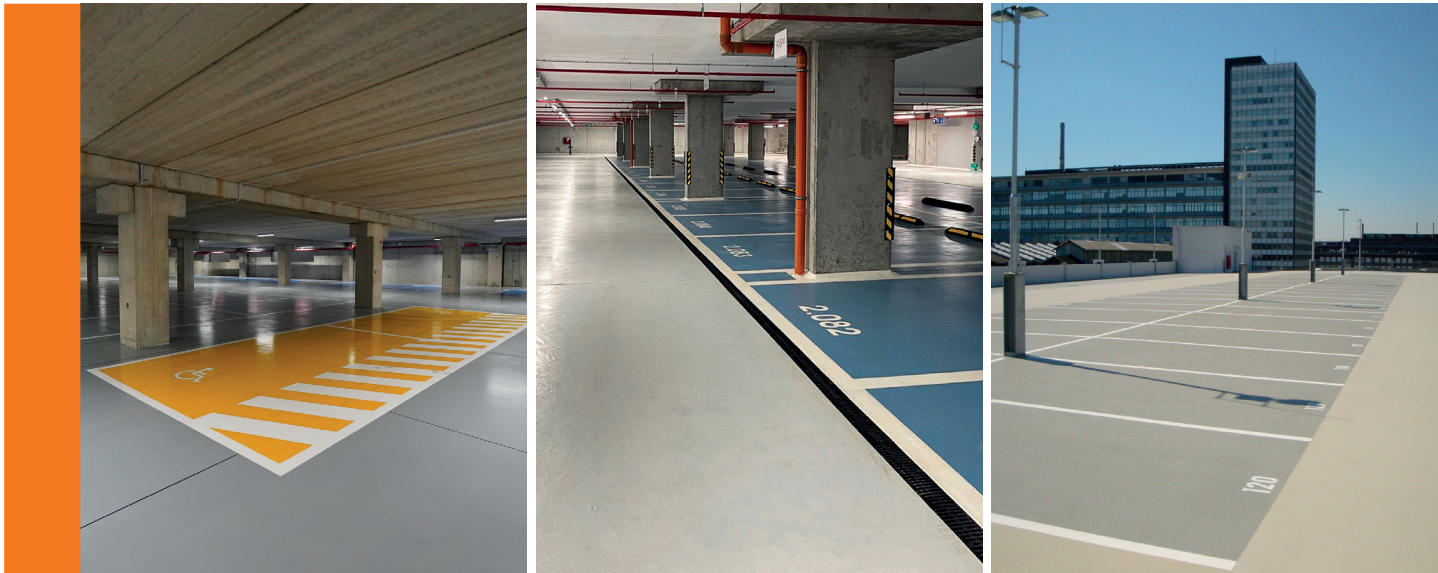
What defines RCR Industrial Flooring today is the ALL IN ONE model: a complete flooring solution managed from start to finish with a single technical criterion. Through its three Divisions (**Services, Products & Applications**) the group can support the entire process, from design and engineering to the supply of high-quality materials and specialised installation, ensuring consistency, quality control, and dependable results across complex projects.

As part of this integrated structure, **RINOL**, **ROCLAND** and **PERMABAN** bring together dedicated expertise: RINOL in high-performance resin flooring systems, ROCLAND in surface hardeners and concrete additives, and PERMABAN in armoured joints and formwork solutions. This combination gives customers access to a broader range of solutions and stronger technical support, while preserving each brand's specialised focus.

Parking Areas & Traffic Decks

Parking facilities are complex environments where the floor is directly involved in the performance of the building. From multi-storey car parks to underground garages, ramps and exposed decks, each surface must withstand **continuous vehicle movement** whilst also facing the demands of its specific location including, in outdoor and semi-exposed areas, the effects of **prevailing weather conditions** on both the surface and the concrete structure beneath.

RINOL parking systems are developed for areas where traffic loads, turning movements and operational continuity are key factors. Designed for both new construction and renovation projects, they provide resin-based flooring solutions that support the **long-term functionality, safety and durability** of parking structures across a range of environmental exposures.



Key Characteristics for Vehicle Traffic Areas

Parking flooring systems must be able to resist a combination of mechanical, chemical and environmental stresses. Daily use exposes the surface to abrasion, tyre friction, impact, fuels, oils, cleaning agents, water and de-icing salts. On exposed decks, additional factors such as freeze-thaw cycles, standing water and weather-related movement make system selection even more critical.

Beyond resistance, the floor must support **safe and efficient** use of the facility. Slip-resistant finishes help improve grip for vehicles and pedestrians, while seamless surfaces reduce dirt accumulation and simplify cleaning. Clear visual definition can also assist circulation, parking guidance and the separation of traffic and pedestrian areas.

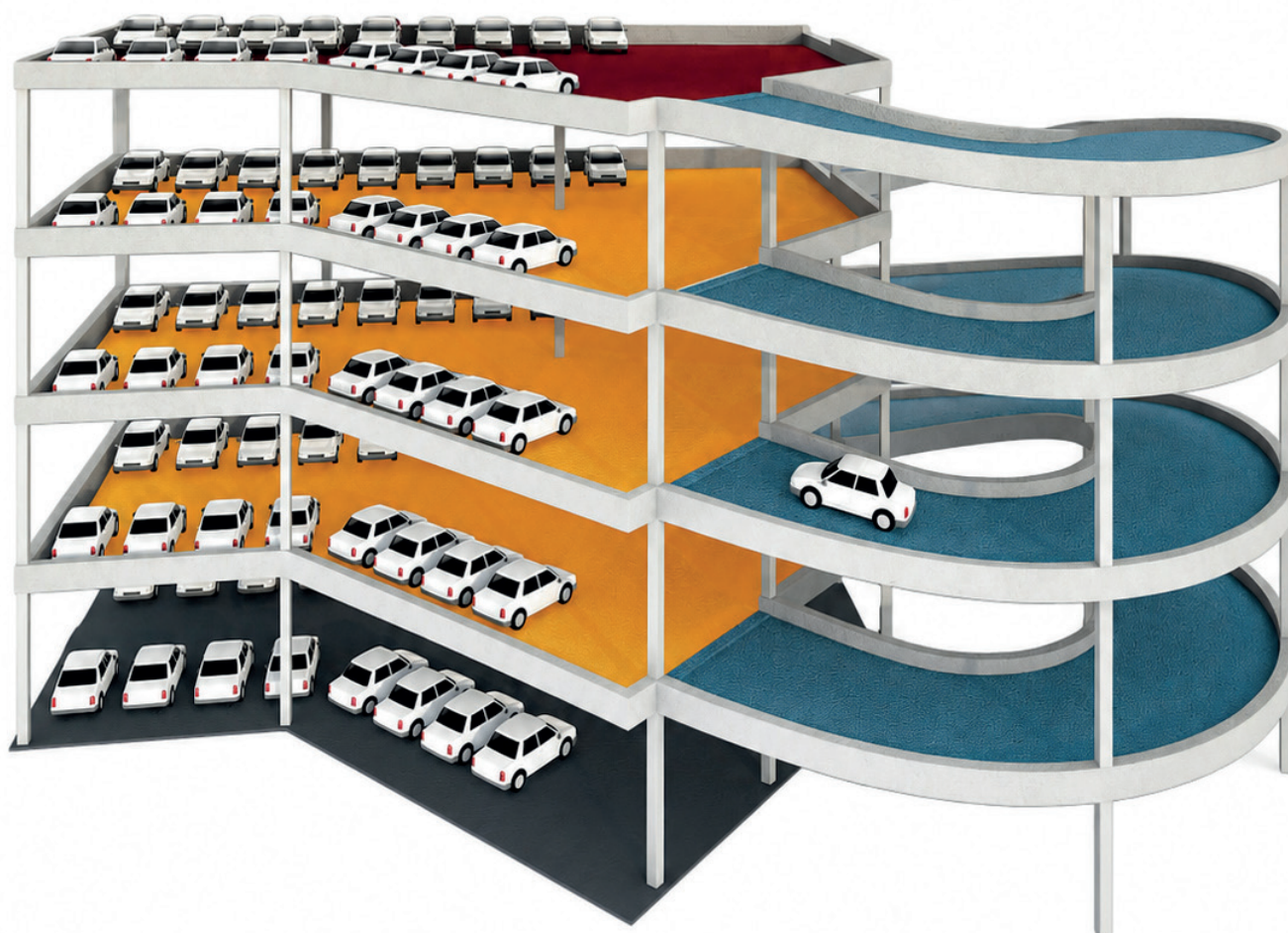
RINOL solutions are engineered to provide durable resin-based surfaces for vehicular and pedestrian traffic. Depending on the selected system, they can offer **waterproofing properties, crack-bridging performance** down to -20°C , resistance to frost and de-icing salts, and reliable adhesion to the substrate, helping protect the concrete structure and reduce long-term maintenance requirements.

Different Areas, Different Priorities

Each area of a parking structure has its own technical requirements. Ramps are exposed to concentrated braking and acceleration forces and therefore require high grip, strong mechanical resistance and a surface profile suitable for inclined circulation. Intermediate decks must manage repeated vehicle movement, structural dynamics and the need for durable, easy-to-maintain finishes.

Exposed top decks require enhanced protection against weathering, water ingress and temperature changes, while underground garages and ground-contact areas often need systems that address moisture, chemical exposure and long-term substrate protection. By selecting the appropriate RINOL system for each zone, parking facilities can achieve **safer** daily operation, improved durability and a more controlled maintenance strategy over time.

Open bridge	Ramps	Intermediate bridge	Underground & surface parking garages in contact with the ground
RINOL Parking OS10 or RINOL Parking OS11a	RINOL Parking OS8	RINOL Parking OS11 b	RINOL Parking OS8



Standards & Certifications for Parking Flooring

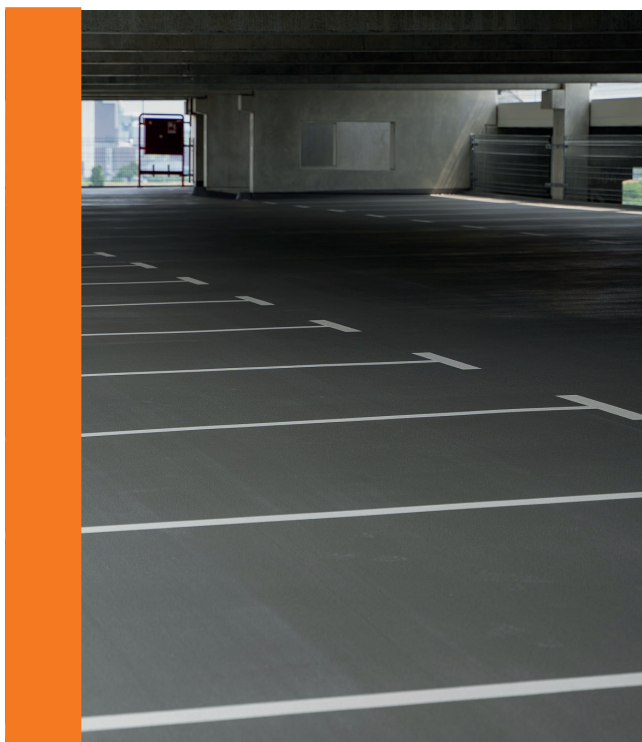
For parking flooring systems, certification is an essential tool for verifying performance under real operating conditions.

Traffic decks, ramps and parking areas are exposed to demanding service conditions, so documented testing helps define how a system behaves in relation to **adhesion, wear resistance, slip resistance, crack bridging, waterproofing and protection against aggressive substances**.

RINOL parking systems are tested according to recognised European standards for surface protection and concrete durability. These assessments support the correct specification of each system according to the exposure level, structural condition and intended use of the area, reducing uncertainty during design, approval and project execution.

In parking structures, verified performance is closely linked to safety, durability and maintenance planning. By relying on tested and documented system build-ups, specifiers, contractors and building owners can make more informed decisions and increase confidence in the long-term protection of the concrete structure.

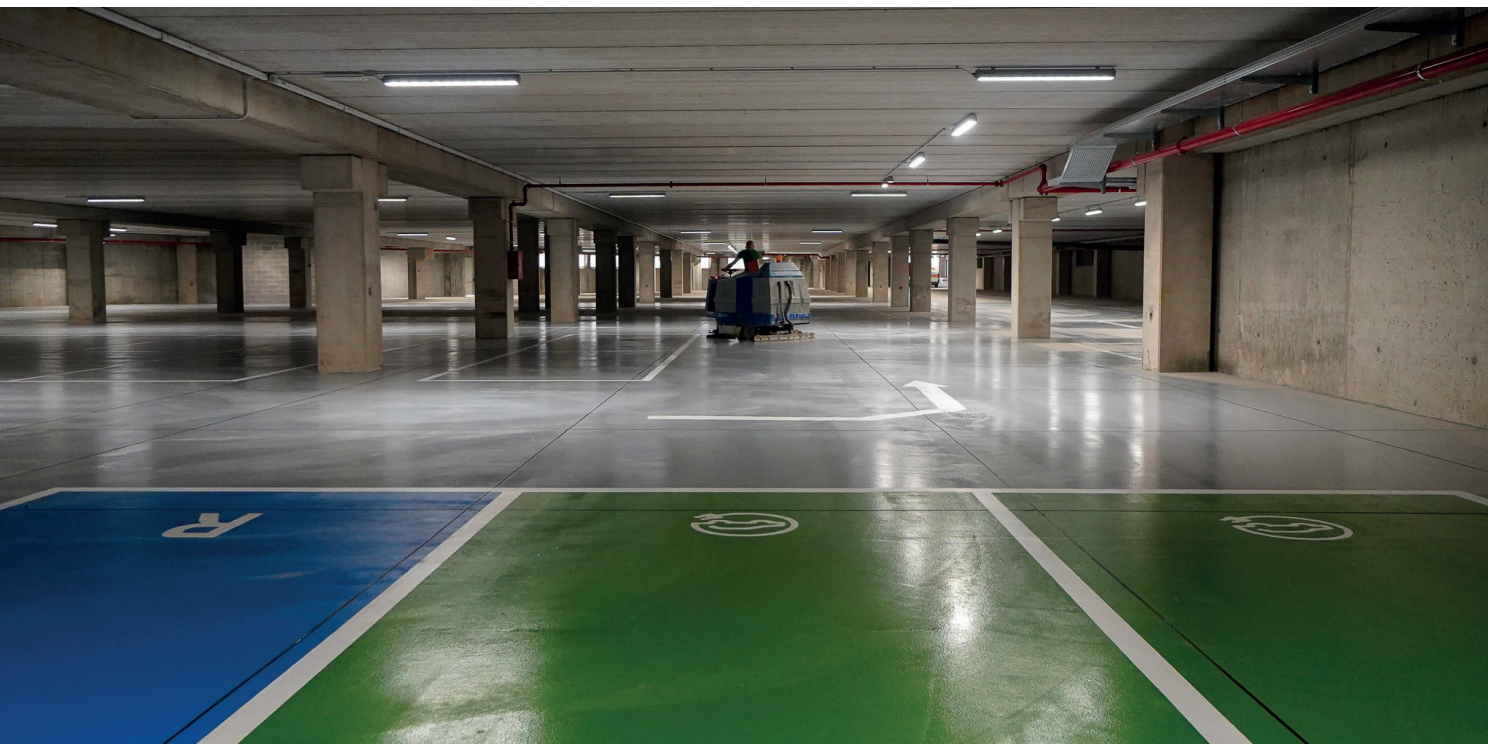
DIN EN 1504-2 & DIN V 18026



RINOL parking systems are tested according to DIN EN 1504-2, the European standard for surface protection systems for concrete, and DIN V 18026, which defines requirements for crack bridging and durability. Together, these standards provide documented evidence of performance in demanding parking environments, supporting long-term concrete protection, resistance to mechanical and environmental stress, and reliable safety under daily vehicular traffic.



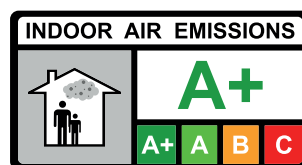
Low-Emission Solutions for Parkings



Indoor environmental quality is increasingly relevant in parking environments. For this reason, selected RINOL systems use products certified according to **Eurofins Indoor Air Comfort Gold**, combining high-performance flooring technology with very **low VOC emissions** and **certified compliance** with leading indoor air quality requirements.

Below is the portfolio of certifications that can support specification where required:

- Belgian VOC regulation
- France VOC class A+
- AgBB/ABG (Germany)
- Italian CAM Edilizia: premium score
- EU Taxonomy Regulation
- LEED (ACP)
- BREEAM New Construction
- BREEAM In Use
- WELL Building
- DGNB
- QNG (Germany)
- SKA Rating
- French HQE certification
- Austrian Baubook
- M1
- Danish Indoor Climate Label (Emission Class 1)
- BVB (Sweden)
- Miljöbyggnad (Sweden)
- Eco Product Norway
- SINTEF (Norway)
- Cradle to Cradle
- Very low emitting products according to EN 16798-1
- Global GreenTag
- Declare 2.0





RINOL*PARKING* OS8

It is a two-layer resin coating system designed to withstand traffic. It provides a seamless finish with excellent durability, slip resistance, and chemical resistance. Ideal for areas where no structural movements occur. Certified in accordance with the German Concrete Committee's guideline for the protection and repair of concrete structures (DIN EN 1504-2).

AREAS OF APPLICATION

- » Multi-storey car parks
- » Underground garages
- » Parking ramps

One system, two options to meet your project needs:
Available in standard and **low-emission** versions



RINOL*PARKING* OS8

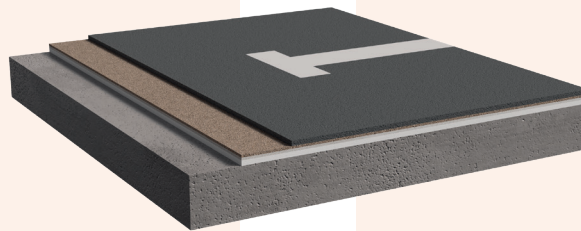
RINOL*PARKING* OS8 LE

Top Coat

RINOL EP-S611N or
RINOL PU-S616

Primer / base layer

RINOL EP-P211
+ RINOL QS20



Top Coat

RINOL EP-S614 or
RINOL PU-S616

Primer

RINOL EP-P216 or
RINOL EP-P214
+ RINOL QS20

CERTIFICATIONS





RINOL*PARKING OS11b*

Three-layer elastic flooring for high-traffic driving areas. It offers exceptional dynamic crack bridging capacity and outstanding resistance to intense mechanical stress. Certified in accordance with the German Concrete Committee's guideline for the protection and repair of concrete structures (DIN EN 1504-2).

AREAS OF APPLICATION

- » Multi-storey car parks
- » Intermediate floors

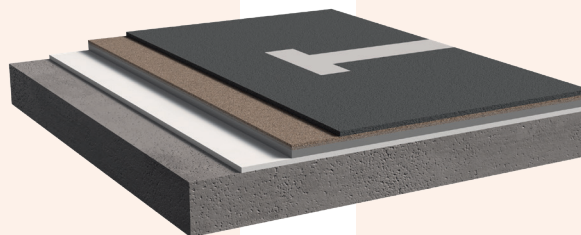
One system, two options to meet your project needs:
Available in standard and **low-emission** versions



RINOL*PARKING OS11b*

RINOL*PARKING OS11b LE*

Surface sealing
RINOL EP-S611N or
RINOL PU-S616
HwO membrane layer
RINOL PU-L311N
Primer / base layer
RINOL EP-P211



Surface sealing
RINOL EP-S614 or
RINOL PU-S616
HwO membrane layer
RINOL PU-L314
Primer / base layer
RINOL EP-P214

CERTIFICATIONS





RINOL*PARKING OS11a*

Four-layer elastic system, protects against water, frost, and de-icing salts, absorbing the dynamic movements of concrete. Certified in accordance with the German Concrete Committee's guideline for the protection and repair of concrete structures (DIN EN 1504-2).

AREAS OF APPLICATION

- » Multi-storey parking garages
- » Exposed areas

One system, two options to meet your project needs:
Available in standard and **low-emission** versions



RINOL*PARKING OS11a*

RINOL*PARKING OS11a LE*

Surface sealing

RINOL EP-S611N or
RINOL PU-S616

Wear layer

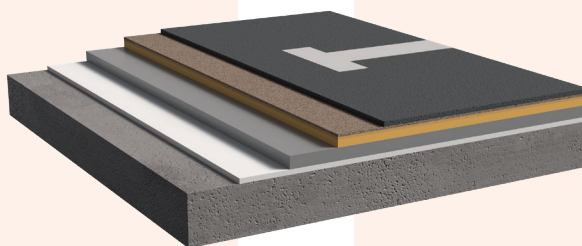
RINOL PU-V411

HwO membrane layer

RINOL PU-L311N

Primer / base layer

RINOL EP-P211



Surface sealing

RINOL EP-S614 or
RINOL PU-S616

Wear layer

RINOL PU-V414

HwO membrane layer

RINOL PU-L314

Primer / base layer

RINOL EP-P214

CERTIFICATIONS





RINOL *PARKING* OS10 - 2500

Three-layer elastic coating for multi-story parking garages, designed for high mechanical loads and rapid hardening. It offers high wear resistance, slip resistance, and long-term protection in accordance with DIN EN 1504-2.

AREAS OF APPLICATION

- » Multi-story parking lots
- » Exposed areas

CERTIFICATIONS



**Surface sealing/
Wear-resistant coating**
RINOL PU-V4501
Waterproofing membrane
RINOL PU-L3501
Primer
RINOL EP-P2501



RINOL *PARKING* OS10 (I)

High-performance polyurethane system, spray-applied. It guarantees dynamic bridging of cracks, long-term impermeability, and resistance to mechanical stress, in accordance with the German Concrete Committee's guideline for the protection and repair of concrete structures (DIN EN 1504-2).

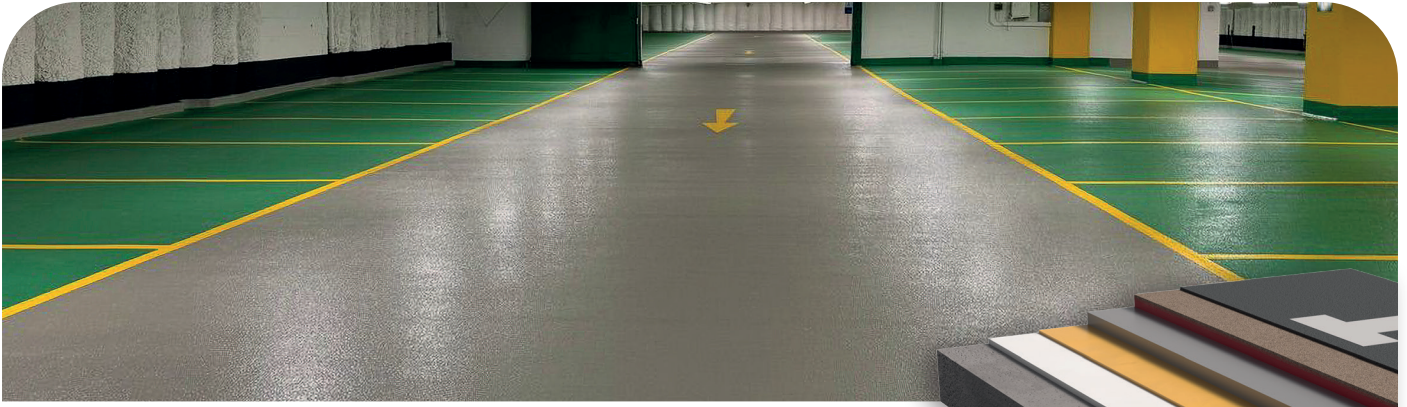
AREAS OF APPLICATION

- » Multi-story parking lots
- » Exposed areas

CERTIFICATIONS



Surface sealing
RINOL PA-S635
Wear layer
RINOL PU-V435
**Spray-applied
waterproofing membrane**
RINOL PU-L340
Intermediate layer/adhesive
RINOL PU-P235
Primer
RINOL EP-P235



RINOL *PARKING OS10 (II)*

Spray-applied polyurea-based elastic system, suitable for both pedestrian and vehicular traffic. Designed to ensure long-term waterproofing, dynamic bridging of cracks, and resistance to high mechanical stress, in accordance with the German Concrete Committee's guideline for the protection and repair of concrete structures (DIN EN 1504-2).

AREAS OF APPLICATION

- » Multi-story parking lots
- » Exposed areas

CERTIFICATIONS



Surface sealing

RINOL PA-S635

Wear layer

RINOL PU-V435

Membrane layer (Spray-applied)

RINOL PL5

Intermediate layer/adhesive

RINOL PU-P235

Primer

RINOL EP-P235



RINOL *PARKING OS10 (M)*

Four-layer elastic system, protects against water, frost, and de-icing salts, absorbing the dynamic movements of concrete. Certified in accordance with the German Concrete Committee's guideline for the protection and repair of concrete structures (DIN EN 1504-2).

AREAS OF APPLICATION

- » Multi-story parking lots
- » Exposed areas

CERTIFICATIONS



Surface sealing

RINOL EP-S611N CH

Wear layer

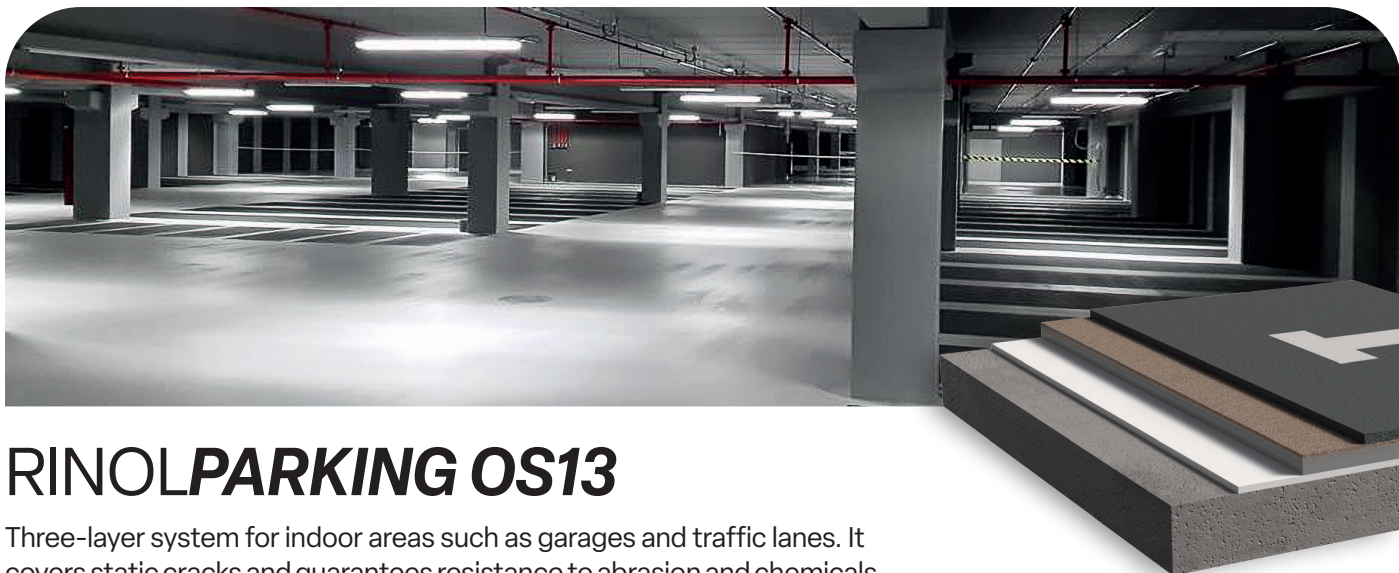
RINOL PU-V411 CH

Elastic intermediate layer

RINOL PU-L311N CH

Base coat (Primer)

RINOL EP-P211



RINOL *PARKING OS13*

Three-layer system for indoor areas such as garages and traffic lanes. It covers static cracks and guarantees resistance to abrasion and chemicals with affordable performance. Certified in accordance with the German Concrete Committee's guideline for the protection and repair of concrete structures (DIN EN 1504-2).

AREAS OF APPLICATION

- » Multi-storey car parks
- » Intermediate floors

Surface sealing

RINOL EP-S613

Intermediate layer

RINOL PU-V413

Primer / base layer

RINOL EP-P202

CERTIFICATIONS



RINOL *PARKING PL1*

Three-layer elastic flooring polyurea-based for high-traffic driving areas. It offers exceptional dynamic crack bridging capacity and outstanding resistance to intense mechanical stress.

AREAS OF APPLICATION

- » Multi-story parking lots
- » Exposed areas

Surface sealing

RINOL PU-S603

Membrane layer (Spray-applied)

RINOL PL1

Primer

RINOL EP-P211

CERTIFICATIONS





RINOLSEALING

It is a jointless sealing system ideal for light to medium duty industrial floors. The system hardens and protects surfaces, offering dust-binding and seamless application.

AREAS OF APPLICATION

- » Pedestrian Areas & Access Points
- » Pedestrian areas

One system, two options to meet your project needs:
Available in standard and **low-emission** versions



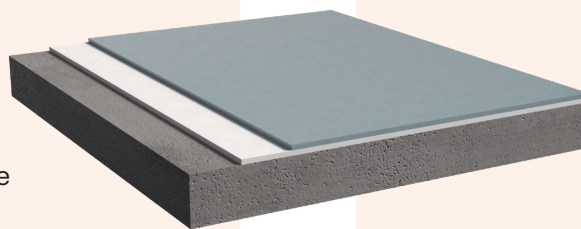
RINOLSEALING

Sealer

RINOL EP-S600 or
RINOL EP-C527

Primer

RINOL EP-P202 or alternative
RINOL Epoxy primer



RINOLSEALING LE

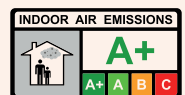
Sealer

RINOL EP-S608

Primer

RINOL EP-P218 or
RINOL EP-P228

CERTIFICATIONS





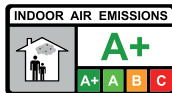
RINOL**PERM**

It is a low-emission, water-based, jointless sealing system ideal for light to medium-duty industrial floors. The system hardens and protects surfaces, offering dust-binding, breathable, and seamless application, with the option of a slip-resistant finish where required.

AREAS OF APPLICATION

- » Pedestrian Areas & Access Points
- » Pedestrian areas

CERTIFICATIONS



Cleanroom®
Suitable
Materials

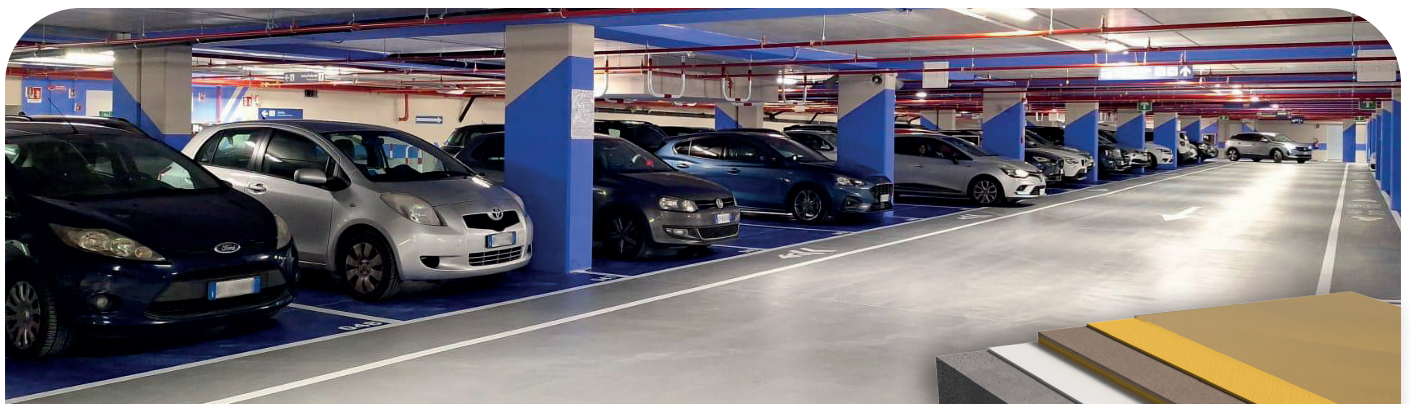
* Cleanroom certification is valid only when EP-S680 is used as Sealer.

Sealer

- RINOL EP-S680
- RINOL EP-S680 CH
- RINOL EP-S680A
- RINOL EP-S681

Primer

- RINOL EP-S680
- RINOL EP-S680 CH
- RINOL EP-S680A
- RINOL EP-S681



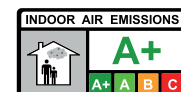
RINOL**STANDARD ECO ANTI-SLIP**

It is a multi-layer, water-based, vapour-permeable, low-emission epoxy system designed for medium-duty industrial floors. It combines durability, anti-slip properties, chemical resistance, and environmental sustainability, making it suitable for damp substrates.

AREAS OF APPLICATION

- » Pedestrian & Light Traffic Areas
- » Vehicle Traffic Areas

CERTIFICATIONS



Top Coat

- RINOL PU-TS688 or
- RINOL PU-S686

Sealer

- RINOL EP-C532 EW
- **Self-levelling layer**
- RINOL EP-C531 EW



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for professional
environments



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Discover more
about **RINOL**
flooring solutions

