

RINOL Chemical, Pharma & Laboratory

Reliable flooring systems for controlled,
demanding environments



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.

Chemical, Pharmaceutical & Laboratory

In facilities where sensitive processes, hazardous substances and controlled operations coexist, flooring becomes an integral part of the production environment. It must interact with **daily workflows, equipment movement, cleaning procedures and safety requirements** without becoming a point of weakness.

RINOL develops resin flooring systems designed to support these conditions with reliable, application-specific performance. From manufacturing and preparation areas to laboratories and controlled zones, each solution is engineered to contribute to a safer, more efficient and more manageable working environment.

The result is a flooring concept that goes beyond surface protection: a technical layer that supports process stability, facility management and long-term operational value.



Key Characteristics for Critical Environments

The performance of a technical floor depends on how well it responds to the conditions it is exposed to. Chemical agents, liquid spills, thermal or mechanical stress, rolling loads and repeated sanitation cycles can all affect the durability and functionality of the surface over time.

For this reason, key properties such as **chemical resistance, impermeability, crack-bridging capability, slip resistance, cleanability, low VOC emissions and electrostatic discharge control** must be evaluated according to the specific risk profile of each area.

RINOL systems combine selected resin technologies with tested application structures, creating seamless surfaces designed to resist deterioration, simplify maintenance and maintain consistent performance under demanding operating conditions.

Different Areas, Different Priorities

A single facility can include very different flooring requirements within a limited space. **Manufacturing areas** may require resistance to process chemicals, while **laboratories** often need surfaces that are easy to clean and resistant to accidental spills. **Cleanrooms** focus on contamination control, and **storage or containment areas** demand protection against liquid penetration and leakage risks.

This is why flooring specification should not follow a one-solution approach. Each area must be assessed according to its function, exposure level, traffic intensity and maintenance procedures.

With a broad range of resin systems, RINOL allows each zone to be matched with the most appropriate flooring build-up, helping create a coherent, technically balanced solution across the entire facility.



Standards & Certifications for Chemical Risk Areas

In environments governed by strict technical, safety and operational requirements, documented performance is essential. Flooring systems must be evaluated through clear evidence, recognised test methods and classifications that confirm their suitability for the intended use.

Standards and certifications provide a technical framework for comparing flooring solutions according to defined criteria, such as **chemical resistance, electrostatic behaviour, slip resistance, emissions, cleanability, mechanical performance and suitability** for controlled areas. This helps transform product selection into a more objective and traceable decision-making process.

For designers, contractors and facility managers, verified performance is essential to reduce uncertainty during specification, approval and long-term facility operation. It supports compliance-oriented choices, helps align the flooring system with project requirements and provides greater confidence that the selected solution can perform consistently in its specific environment.

Through tested and certified systems, RINOL supports a more reliable approach to flooring selection, where each solution is evaluated not only for what it promises, but for what it can demonstrate.

CLEANROOM Certification (CSM®)



In **CLEANROOMS**, flooring is a critical component of the contamination-control strategy. Selected flooring systems are engineered for GMP-regulated areas, where hygiene, chemical resistance and easy maintenance are essential.

Seamless, non-porous and durable, certified with the Fraunhofer IPA CSM® mark for cleanroom-suitable materials, they help protect processes, people and products day after day.



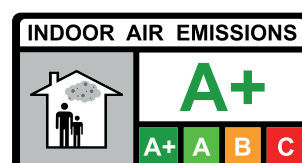
Low-Emission Solutions for Industries



Indoor environmental quality is increasingly relevant in controlled and process-driven 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^{WHG}

It is a two- or three-layer epoxy system designed to provide excellent chemical resistance and crack-bridging properties. It is intended for areas subject to medium- to heavy traffic and mechanical stress. Designed for areas exposed to chemical risk, compliant with German WHG regulations and approved by DIBt.

AREAS OF APPLICATION

- » Chemical plants
- » Battery plants
- » CLEANROOMS
- » Pharmaceutical industry
- » Secondary containment basins

Top Coat
RINOL EP-C526
Levelling Coat (Optional)
RINOL EP-P204
Primer
RINOL EP-P204

CERTIFICATIONS



RINOL^{WHG CONDUCTIVE}

It is a three/four-layer, epoxy system that ensures excellent chemical resistance, crack bridging and safe electrostatic discharge, tested in accordance with DIN EN 1081. It is designed for medium to heavy-duty use and for areas exposed to chemical risk, compliant with German WHG regulations and approved by DIBt.

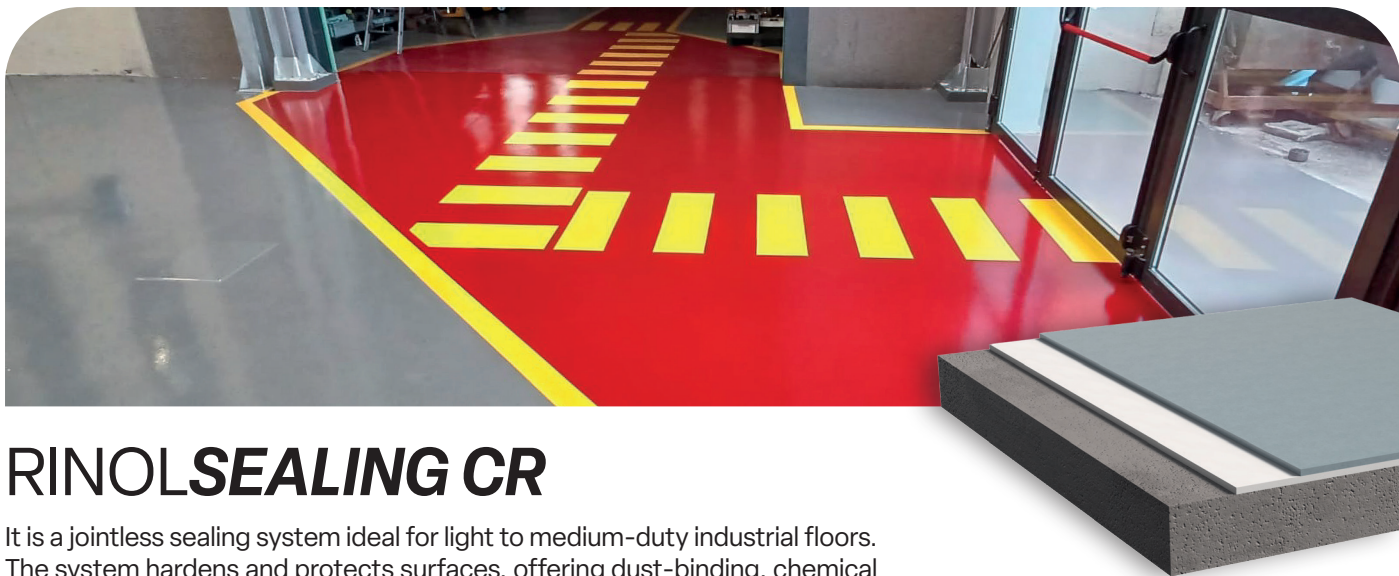
AREAS OF APPLICATION

- » Operating theatres
- » Pharmaceutical industry
- » CLEANROOMS
- » Secondary containment basins
- » Chemical plants
- » Battery plants

Conductive Self-Levelling Top Coat
RINOL EP-C526AS
Conductive Layer with Copper Tape
RINOL EP-E481
Levelling Coat (Optional)
RINOL EP-P204
Primer
RINOL EP-P204

CERTIFICATIONS





RINOLSEALING CR

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

AREAS OF APPLICATION

- » CLEANROOMS
- » Battery plants
- » Secondary containment basins
- » Chemical and Pharmaceutical plants

Sealer
RINOL EP-C529

Primer
RINOL EP-P202 or alternative
RINOL Epoxy primer

CERTIFICATIONS



Cleanroom®
Suitable
Materials



RINOLSTANDARD CR

It is a two-layer, chemical resistant epoxy coating system ideal for medium to heavy duty industrial floors. It offers seamless finishes, durability, smooth and easy to clean surface.

AREAS OF APPLICATION

- » Production facilities
- » Aircraft hangars
- » Laboratories
- » High bay warehouses
- » Pharmaceutical and chemical plants
- » Warehouses and storage areas

Top Coat
RINOL EP-C529

Primer
RINOL EP-P202 or alternative
RINOL Epoxy primer

CERTIFICATIONS



Cleanroom®
Suitable
Materials



RINOLALLROUNDER CR

It is a three-layer, epoxy coating system ideal for medium to heavy duty floors exposed to chemical agents. It offers seamless finishes, durability, and the option for slip-resistant surfaces.

AREAS OF APPLICATION

- » Chemical and Pharmaceutical areas
- » CLEANROOMS
- » Battery plants
- » Secondary containment basins

CERTIFICATIONS



Cleanroom®
Suitable
Materials

Top Coat
RINOL EP-C529

Levelling Coat
RINOL EP-L300

Primer
RINOL EP-P202 or alternative
RINOL Epoxy primer



RINOLSOLID

It is a multi-coat, epoxy screed system with colored quartz, designed for high traffic areas. It offers impact and compressive strength, chemical resistance, durability and customisable slip resistance, making it ideal for safety critical environments.

AREAS OF APPLICATION

- » High bay warehouses
- » Warehouses and storage areas
- » Laboratories
- » Car parks
- » Supermarkets

CERTIFICATIONS



Colored sealer
RINOL PU-TS686 or
RINOL PU-TS688

Transparent sealer
RINOL EP-T710

Resin screed
RINOL EP-T700
+ RINOL QCR colored quartz

Primer
RINOL EP-P202 or alternative
RINOL Epoxy primer



RINOLMORTAR

It is a multi-coat, epoxy screed system designed for dry or wet high traffic areas, ideal for medium to heavy duty industrial floors. It offers impact and compressive strength, chemical resistance, durability and customisable slip resistance, making it ideal for safety critical environments and food facilities.

AREAS OF APPLICATION

- » Aircraft hangars
- » Automotive industry
- » Pharmaceutical industry
- » Food & beverage and packaging areas
- » Manufacturing and industrial facilities

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



RINOLMORTAR

Colored sealer

RINOL EP-C523 or
RINOL EP-C527

Pore filler

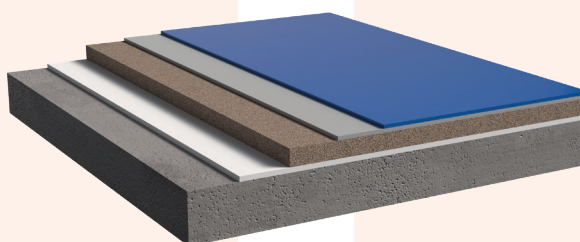
RINOL EP-L300

Resin screed

RINOL EP-P201 or
RINOL EP-T700
+ RINOL DUROMIX 3

Primer

RINOL EP-P202 or alternative
RINOL Epoxy primer



RINOLMORTAR LE

Colored sealer

RINOL EP-C528 or
RINOL EP-S608

Pore filler

RINOL EP-L308

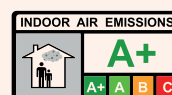
Resin screed

RINOL EP-P218
+ RINOL DUROMIX 3

Primer

RINOL EP-P218 or
RINOL EP-P228

CERTIFICATIONS



* Cleanroom certification is valid only when EP-C523 is used as Sealer.

* Cleanroom certification is valid only when EP-C528 is used as Sealer.



RINOLCONDUCTIVE

It is a four-layer, epoxy system that ensures safe electrostatic discharge for sensitive environments tested in accordance with DIN EN 1081. It is designed for medium to heavy-duty use.

AREAS OF APPLICATION

- » Operating theatres
- » CLEANROOMS
- » Power stations
- » ATEX areas
- » Heliports
- » Electronics industry
- » Transformers and substations

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



RINOLCONDUCTIVE

Conductive Self-levelling Top Coat

RINOL EP-C523AS

Conductive Layer with Copper Tape

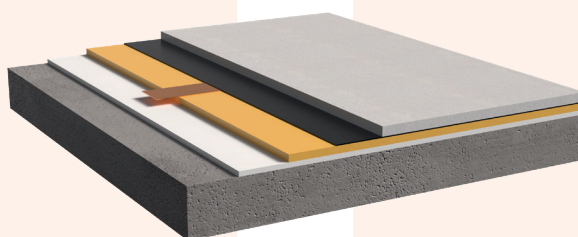
RINOL EP-E480

Levelling Coat

RINOL EP-L300

Primer

RINOL EP-P202 or alternative
RINOL Epoxy primer



RINOLCONDUCTIVE LE

Conductive Self-levelling Top Coat

RINOL EP-C528AS

Conductive Layer with Copper Tape

RINOL EP-E480

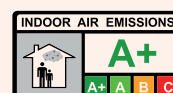
Levelling Coat

RINOL EP-L308

Primer

RINOL EP-P218 or
RINOL EP-P228

CERTIFICATIONS





RINOLETEC V

It is a three- or four-layer, epoxy system that ensures safe electrostatic discharge for sensitive environments tested in accordance with EN 61340-5-1. It is designed for medium- to heavy-duty use.

AREAS OF APPLICATION

- » Operating theatres
- » CLEANROOMS
- » ATEX areas
- » Battery plants
- » Transformers and substations
- » Electronics industry
- » Power stations

CERTIFICATIONS



Cleanroom®
Suitable
Materials

Conductive Self-Levelling Top Coat

RINOL EP-C549

Conductive Layer with Copper Tape

RINOL EP-E482

Levelling Coat (Optional)

RINOL EP-L300 or

RINOL EP-P206

Primer

RINOL EP-P202 or alternative
RINOL Epoxy primer



RINOLETEC V2

It is a four- or five- layer epoxy and polyurethane coating system that is UV-resistant and designed to provide safe electrostatic discharge in sensitive environments, tested in accordance with EN 61340-5-1. It is suitable for medium- to heavy-duty applications.

AREAS OF APPLICATION

- » Operating theatres
- » CLEANROOMS
- » ATEX areas
- » Battery plants
- » Transformers and substations
- » Electronics industry
- » Power stations

CERTIFICATIONS



Conductive Coloured Sealer

RINOL PU-S686AS

Conductive Self-Levelling Layer

RINOL EP-C549

Conductive Layer with Copper Tape

RINOL EP-E482

Levelling Coat (Optional)

RINOL EP-L300

Primer

RINOL EP-P202 or alternative
RINOL Epoxy primer



RINOLDESIGN

It is a three-layer, epoxy system with a decorative marble look. It is designed for medium- to heavy-duty use.

AREAS OF APPLICATION

- » Hospitals
- » Chemical and Pharmaceutical areas
- » CLEANROOMS
- » Showrooms

CERTIFICATIONS



Self-levelling Top Coat

RINOL EP-C510

Levelling Coat

RINOL EP-L300

Primer

RINOL EP-P202 or alternative
RINOL Epoxy primer



RINOLDESIGN CONDUCTIVE

It is a four-layer, epoxy system that combines a decorative marble look and safe electrostatic discharge for sensitive environments, tested in accordance with DIN EN 1081. It is designed for medium- to heavy-duty use.

AREAS OF APPLICATION

- » Operating theatres
- » Hospitals
- » Chemical and Pharmaceutical areas
- » CLEANROOMS
- » ATEX areas
- » Showrooms
- » Electronics industry

CERTIFICATIONS



Conductive Self-levelling Top Coat

RINOL EP-C560

Conductive layer with Copper Tape

RINOL EP-E480

Levelling Coat

RINOL EP-L300

Primer

RINOL EP-P202 or alternative
RINOL Epoxy primer



RINOLQCR

It is a multi-coat coloured quartz based epoxy system designed for dry or wet medium to heavy traffic areas. It offers chemical resistance, durability and customisable slip resistance, making it ideal for safety critical environments and food facilities.

AREAS OF APPLICATION

- » Commercial kitchens
- » Wet processing areas
- » Canteens
- » Dining halls
- » Food and beverage, manufacturing and packaging areas

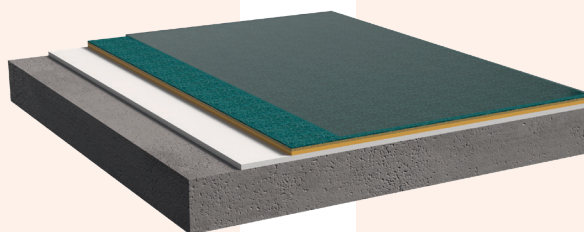
One system, two options to meet your project needs:
Available in standard and **low-emission** versions



RINOLQCR

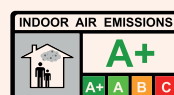
RINOLQCR LE

Transparent Sealer
RINOL EP-QC714
Intermediate Layer
RINOL EP-QC212
Primer / Regulating Layer
RINOL EP-QC209



Transparent Sealer
RINOL EP-T718
Intermediate Layer
RINOL EP-P218
Pigmented
Primer / Regulating Layer
RINOL EP-P218

CERTIFICATIONS





RINOLQCR AST

It is a four-layer, multi-coat coloured quartz epoxy system that ensures safe electrostatic discharge for sensitive environments, tested accordance with DIN EN 61340-5-1. It is designed for medium to heavy-duty use.

AREAS OF APPLICATION

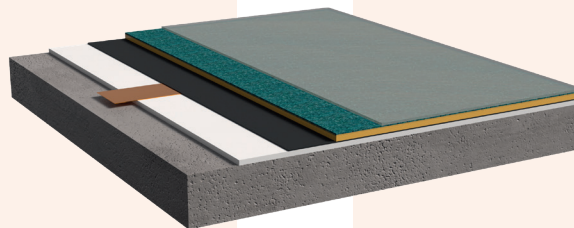
- » Operating theatres
- » CLEANROOMS
- » Power stations
- » ATEX areas
- » Heliports
- » Electronics industry
- » Transformers and substations

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



RINOLQCR AST

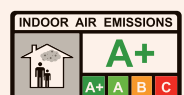
Transparent Sealer
RINOL EP-QC714
Intermediate layer
RINOL EP-QC547AS
Conductive Layer with Copper Tape
RINOL EP-QC483AS
Primer / Regulating layer
RINOL EP-QC209



RINOLQCR AST LE

Transparent Sealer
RINOL EP-T718
Intermediate layer
RINOL EP-C528AS
Conductive Layer with Copper Tape
RINOL EP-E480 or
RINOL EP-E480AS CH
Primer / Regulating layer
RINOL EP-P218

CERTIFICATIONS





RINOLCRETE STANDARD

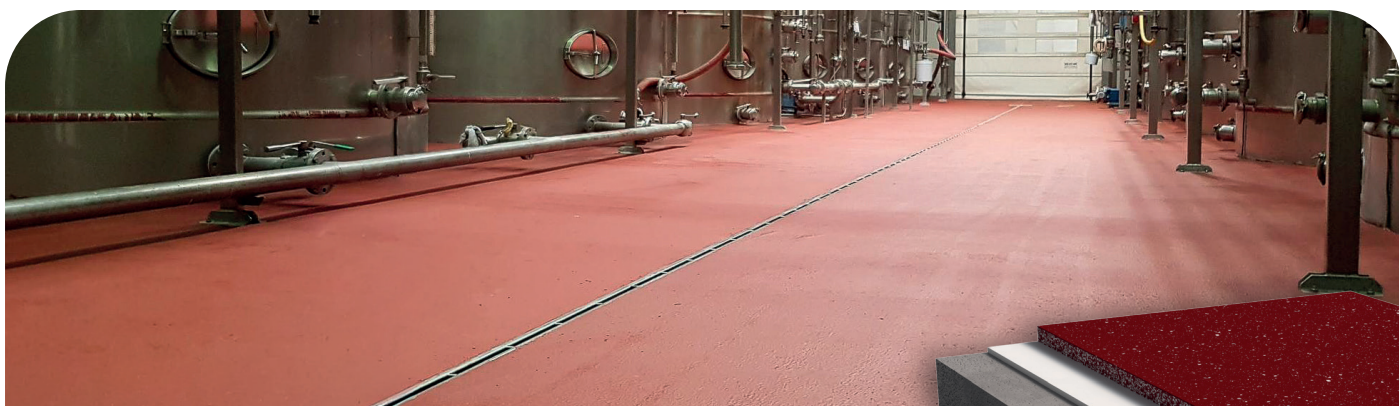
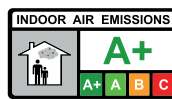
It is a self-levelling polyurethane cement mortar based floor coating, spill and chemical resistant. It offers excellent impact resistance and is designed to withstand temperature fluctuations while preventing bacterial growth.

AREAS OF APPLICATION

- » Industrial kitchens
- » Laboratories
- » Warehouses
- » Food processing plants
- » Packing rooms
- » Dry and wet product manufacturing

Self-Levelling Coating
RINOLCRETE PU-C560
Primer
RINOLCRETE PU-P250

CERTIFICATIONS



RINOLCRETE HEAVY DUTY

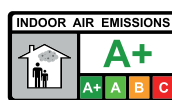
It is a highly resistant anti-slip coating based on polyurethane mortar, designed for environments where floors are often wet and at the same time subjected to high mechanical, thermal or chemical stresses.

AREAS OF APPLICATION

- » Industrial kitchens
- » Laboratories
- » Warehouses
- » Food processing plants
- » Packing rooms
- » Dry and wet product manufacturing

Mortar Coating
• RINOLCRETE PU-C550
• RINOLCRETE PU-C550RT
• RINOLCRETE PU-C555
Primer (Optional)
RINOLCRETE PU-P250

CERTIFICATIONS





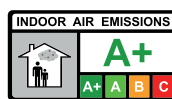
RINOLCRETE ANTI-SLIP

It is a premium multilayer resin-based floor coating for areas with a high risk of slips. It has outstanding resistance to both abrasion and impact, can withstand liquid spills and discharges and remains effective even in freezer conditions.

AREAS OF APPLICATION

- » Industrial kitchens
- » Packing rooms
- » Laboratories
- » Food processing plants
- » Warehouses and logistics areas
- » Dry and wet product manufacturing

CERTIFICATIONS



Finish
RINOLCRETE PU-C565
Self Levelling Coating
RINOLCRETE PU-C560
Primer (Optional)
RINOLCRETE PU-P250



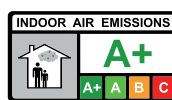
RINOLCRETE CONDUCTIVE

It is a three-layer polyurethane cement system that combines safe electrostatic discharge for sensitive environments, tested in accordance with DIN EN 1081 and DIN EN 61340, with high chemical and thermal resistance. Ideal for medium to heavy-duty use.

AREAS OF APPLICATION

- » Warehousing and logistic
- » Cold storage and refrigerated areas
- » Electronics industry
- » Chemical & Pharmaceutical industry
- » Food and beverage processing plants
- » Aerospace and aviation industry

CERTIFICATIONS



Self Levelling Coating
RINOLCRETE PU-C560 AS
Conductive Layer with copper tape
RINOL EP-E480
Primer
RINOLCRETE PU-P250



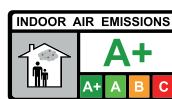
RINOLCRETE CONDUCTIVE ANTI-SLIP

It is a four-layer polyurethane cement system that combines safe electrostatic discharge for sensitive environments, tested in accordance with DIN EN 1081 and DIN EN 61340, with high chemical and thermal resistance. Ideal for medium to heavy-duty use.

AREAS OF APPLICATION

- » Cold storage and refrigerated areas
- » Chemical & Pharmaceutical industry
- » Food and beverage processing plants
- » Warehousing and logistic
- » Aerospace and aviation industry

CERTIFICATIONS



Top Coat

RINOLCRETE PU-C565

Conductive Body coat

RINOLCRETE PU-C560 AS

+ RINOL QS AST
scattering

**Conductive layer
with copper tape**

RINOL EP-E480

Primer

RINOLCRETE PU-P250



RINOLALLROUNDER VE

It is a three-layer, epoxy and vinyl ester coating system ideal for medium to heavy duty industrial floors. It ensures excellent chemical resistance, seamless and durable finishes.

AREAS OF APPLICATION

- » Chemical and Pharmaceutical areas
- » Secondary containment basins
- » Battery plants

CERTIFICATIONS



Top Coat

RINOL VE-C500

Levelling Coat

RINOL UP-L300

Primer

RINOL EP-P200



High-performance flooring systems

for professional
environments



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flooring solutions

