RINOL

RCR Flooring Products

RINOL*CRETE*

Coating systems for the food industry

RINOL

systems have outstanding features such as

For over 60 years, RINOL industrial flooring has enjoyed a worldwide reputation for reliability, precision and quality.

Our research and development department is constantly working on new and improved products and systems. RINOL's aim is to support our customers and partners with innovative products and system solutions based on epoxy, polyurethane, vinyl ester or polyester resins. Each system typically consists of two or three layers applied in sequence to the concrete surface: a primer, a filler and finally the coloured coating.

All components and ingredients of our coating systems are tested and manufactured in-house. This ensures the highest quality, fastest availability and optimum performance of our products.

RINOL resin coating systems are tested for safety by renowned independent experts and accredited institutes such as the German Institute for Building Technology. In addition to industrial flooring, RINOL systems provide solutions for showrooms, exhibition areas, schools, public buildings and homes. In addition, the company can create bespoke systems to suit the customer's exact application. It is important to note that RCR Flooring Products Italia S.r.l., the company that designs and produces RINOL resin systems, has a Quality Management System certified in accordance with UNI EN ISO 9001 and an Environmental Management System certified in accordance with EN ISO 14001.

Choosing a RINOL coating offers important benefits to building owners and users, such as chemical resistance, abrasion resistance and an attractive, seamless surface. RINOL also offers a wide range of RAL and NCS colours. With no minimum order quantities, designers can enjoy the freedom to be creative in small spaces.

For more information please visit www.rinol.com.

RINOL*CRETE*

Of course, nobody would dream of eating directly from a floor. But with a RINOL***CRETE*** floor, it's not such a far-fetched idea, because all our systems for the food industry meet the highest hygiene standards.

The term food industry covers a wide range of businesses. They range from abattoirs and dairies to ready-meals manufacturers, breweries, canteen kitchens, confectioners and mineral water bottlers.

Given the diverse nature of the food manufacturing sector, diverse solutions are essential. This is where the RINOL***CRETE*** coating system comes into its own, allowing effortless cleaning. RINOL***CRETE*** floors are designed to withstand the constant wear and tear of machinery and bulky transport equipment for years to come. Our systems are resilient enough to withstand the strong compounds found in the food industry, such as lactic and tartaric acids.

RINOL***CRETE*** floors, specially designed for the food industry, can form uniform, seamless and watertight structures, similar to swimming pools, making it the ideal system for industrial kitchens, food processing plants, warehouses, laboratories, packing rooms and dry and wet product manufacturing.

RINOL***CRETE*** systems have exceptional properties such as

- Anti-slip
  Prioritising safety, RINOL***CRETE*** systems offer superior slip resistance, reducing slip hazards across settings.

- Chemical Resistance
  Crafted for industrial strength, RINOL***CRETE*** withstands most chemicals, ensuring longevity and preventing premature wear.

- Easy Clean & Maintenance
  With RINOL***CRETE***, enjoy hassle-free cleaning and minimal upkeep, ensuring lasting aesthetics and function.

- Anti-bacterial
  Hygiene assured. RINOL***CRETE***'s surfaces inhibit bacterial growth, making them clean and safe choices.

- Impact Resistant
  Built tough. RINOL***CRETE*** endures impacts and heavy loads, preserving integrity under demanding conditions.

- Thermal Shock Resistant
  From icy cold to searing heat, RINOL***CRETE*** stands firm, ensuring consistent performance regardless of temperature swings.

SAFE GREEN CERTIFIED

RINOL***CRETE*** systems are not only synonymous with high quality and performance, they also represent our commitment to sustainability, indoor health and food safety. We are pleased to announce that we have obtained the **EUROFINS INDOOR AIR COMFORT GOLD** and **HACCP** certifications, seals of excellence in the fields of the environment, indoor air quality and food safety.

A guarantee of quality and safety

EUROFINS INDOOR AIR COMFORT GOLD certification is more than just a guarantee of low volatile organic compound (VOC) emissions. It also includes several important environmental and health standards such as LEED, BREEAM New Build, AgBB requirements and the French A+ VOC emission rating. **HACCP** certification ensures that our systems are safe for use in food processing and handling environments. By choosing RINOL***CRETE***, you are choosing products that are not only safe for you, but also comply with the strictest regulations throughout Europe.

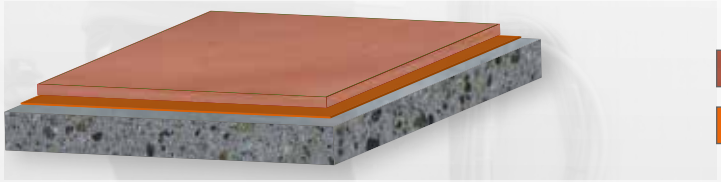
Choose RINOL***CRETE*** for a healthier, more sustainable future

By choosing our RINOL***CRETE*** systems you are making a conscious choice for a healthier and more sustainable future. Our **EUROFINS INDOOR AIR COMFORT GOLD** and **HACCP** certifications are tangible proof of our unwavering commitment to environmental excellence, indoor air quality and food safety.

For a full list of the standards we meet as part of these certifications, please contact us for more information.

RINOL***CRETE STANDARD***

RINOL***CRETE STANDARD*** is a self-levelling polyurethane-cement mortar system. This system has been specially designed for use in dry production, packaging and storage areas where liquids are occasionally spilled and medium to heavy mechanical exposures occur.



RINOL***CRETE PU-C560***	Self-levelling mortar coating
RINOL***CRETE PU-P250***	Primer

The RINOL***CRETE STANDARD*** system is a high-quality self-levelling polyurethane mortar floor coating with a layer thickness of 3 to 6 mm, designed for areas where liquids are occasionally spilt and medium to high mechanical loads are present. It is effective from -25°C to +90°C, offers excellent impact resistance, prevents bacterial growth, is easy to clean, dust-free, resistant to almost all chemicals, and ideal for industrial and commercial environments. Its durability and wide range of condition resistance make it an ideal solution for industries seeking maximum performance and safety.

Key Features:

- High-quality self-levelling polyurethane mortar
- Designed for production, packaging, and storage areas
- Spill-resistant
- Effective from -25°C to +90°C
- Thicknesses of 3 to 6 mm
- Excellent impact resistance
- Prevents bacterial growth
- Smooth, easy-to-clean surface
- Dust-free
- Resistant to most chemicals
- Ideal for industrial and commercial environments
- Durable and resistant to a wide range of conditions
- Ideal solution for maximum performance and safety

Anti slip
Provides a reliable anti-slip surface from R9 to R10 enhancing safety in everyday use.

Antibacterial
Effectively fights off all bacteria, maintaining a clean and safe environment.

Chemical resistant
Resists chemical wear very well, suitable for standard industrial settings.

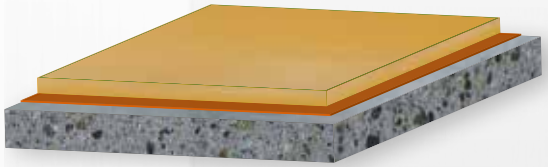
Easy to clean
Designed for easy daily maintenance, making it practical for regular use.

Impact resistant
Built to withstand regular use while offering durable impact resistance.

Thermal shock resisteant
Manages temperature shifts well, suitable for varying conditions.

RINOL*CRETE HEAVY DUTY*

RINOL***CRETE HEAVY DUTY*** is a slip-resistant polyurethane-cement mortar system. This system has been specially designed for use in areas where floors get wet and are simultaneously exposed to high mechanical, thermal or chemical loads.



	RINOL***CRETE PU-C550***	Mortar coating
	RINOL***CRETE PU-C550RT***	Alternative
	RINOL***CRETE PU-C555***	Alternative
	RINOL***CRETE PU-P250***	Primer (Optional)

The RINOL***CRETE HEAVY DUTY*** system is a high-quality, highly resistant anti-slip coating based on polyurethane mortar, designed specifically for environments where floors are often wet and subjected to high mechanical, thermal, or chemical stresses. It resists temperatures from -40°C to 130°C, making it ideal for demanding work areas. The monolithic 6 to12mm layer ensures durability under heavy-duty conditions, and its resistance to most chemicals, prevention of bacterial growth, and ease of maintenance make it a premium choice for industries prioritizing safety and performance.

Key Features:

- High-quality, highly resistant anti-slip coating
- Designed for environments with wet floors and high mechanical, thermal, or chemical stresses
- Temperature resistance from -40°C to 130°C
- 6 to12 mm layer for long durability in heavy-duty conditions
- Resistant to almost all chemicals
- Prevents bacterial growth
- Easy to maintain
- Premium choice for safety and performance in industries

Anti slip
Ensures maximum safety on wet floors at all times, reducing slip hazards. It has an anti-slip tile coefficient from R11 to R13

Antibacterial
Actively inhibits any bacterial growth, contributing to a hygienic environment.

Chemical resistant
Effectively resists a wide range of chemicals, offering superior protection.

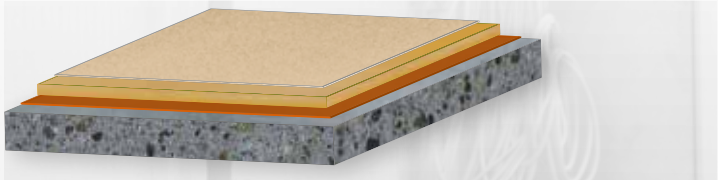
Easy to clean
Designed for simple maintenance and daily cleaning, saving time and effort.

Impact resistant
Features a 6 to 12 mm layer that ensures high durability under heavy-duty conditions.

Thermal shock resisteant
Capable of withstanding extreme temperatures from -40°C to 130°C.

RINOL***CRETE ANTI-SLIP***

RINOL***CRETE ANTI-SLIP*** is a slip-resistant polyurethane-cement multilayer system. This system is designed for use in wet production, packaging and storage areas with medium to heavy mechanical exposure. Anti-slip significantly improves accident prevention measures by greatly reducing the risk of slipping.



RINOL***CRETE PU-C565***	Surface sealer
RINOL***CRETE PU-C560***	Mortar coating
RINOL***CRETE PU-P250***	Primer (Optional)

The RINOL***CRETE ANTI-SLIP*** system is a premium resin-based floor coating designed for areas with a high risk of slips. It offers outstanding resistance to abrasion and impact, ensuring a durable and safe flooring solution. Its chemical resistance makes it ideal for industrial settings with specific needs. Being dense and impermeable, it can withstand liquid spills and discharges up to 120°C and remains effective even in freezer conditions as low as -40°C. With a layer thickness ranging from 3-9 mm, this system is designed to meet the rigorous demands of industries focused on performance and safety.

Key Features:

- Premium multilayer floor coating
- Tailored for areas with a high risk of slips
- Outstanding resistance to abrasion and impact
- Chemical resistant
- Dense and impermeable
- Withstands liquid spills and discharges up to 120°C
- Effective in freezer conditions as low as -40°C
- Layer thickness ranging from 3 to 9 mm
- Anti-slip properties: Specifically engineered to provide a surface with enhanced grip, reducing the risk of slips and falls, which is crucial in environments where liquids are frequently present or where safety is a paramount concern.
- Designed to meet the demands of industries focused on performance and safety

Anti slip
Maximizes safety by reducing slip risks on all slippery areas, ideal for high-traffic zones. The anti-slip coefficient is R11 to R13

Antibacterial
Actively stops all bacterial growth, ensuring a more hygienic workspace.

Chemical resistant
Offers very strong resistance to a variety of chemicals, enhancing longevity.

Easy to clean
Facilitates effortless daily maintenance, making it a convenient choice.

Impact resistant
Specially designed for high-impact resistance, ideal for busy environments

Thermal shock resisteant
Capable of enduring all extreme temperature changes without degradation.

Comparative Properties and Resistance of RINOL*CRETE Systems*

RINOL	RINOL*CRETE ANTI-SLIP*	RINOL*CRETE STANDARD*	RINOL*CRETE HEAVY-DUTY*
Applications / Properties			
Temperature operating range	-40°C +120°C	-25°C +90°C	-40°C +130 °C
Slip resistance class R9		●	
Slip resistance class R10		●	
Slip resistance class R11	●		●
Slip resistance class R12	●		●
Slip resistance class R13	●		●
Extract of chemical resistance			
Acetic acid 60%	●	●	●
Citric acid 50%	●	●	●
Hydrochloric acid 37%	●	●	●
Hydrogen peroxide 35%	●	●	●
Ethanol	●	●	●
Lactic acid 90%	●	●	●
Nitric acid 50%	●	●	●
Phosphoric acid 80%	●	●	●
Sodium hydroxide 50%	●	●	●
Sodium hypochlorite 15%	●	●	●
Sulphuric acid 70%	●	●	●
Toluene	●	●	●
Toluol	●	●	●

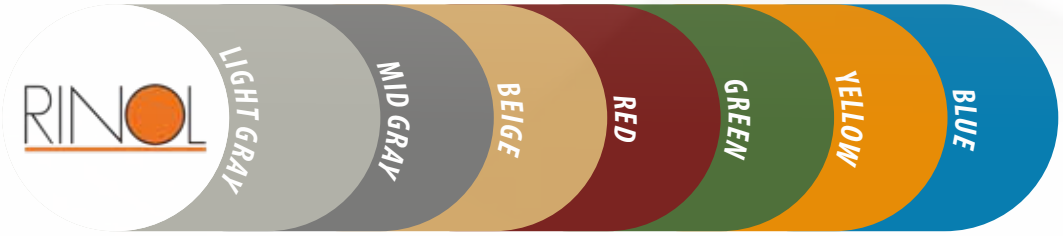
Available Colours for RINOL*CRETE Systems*

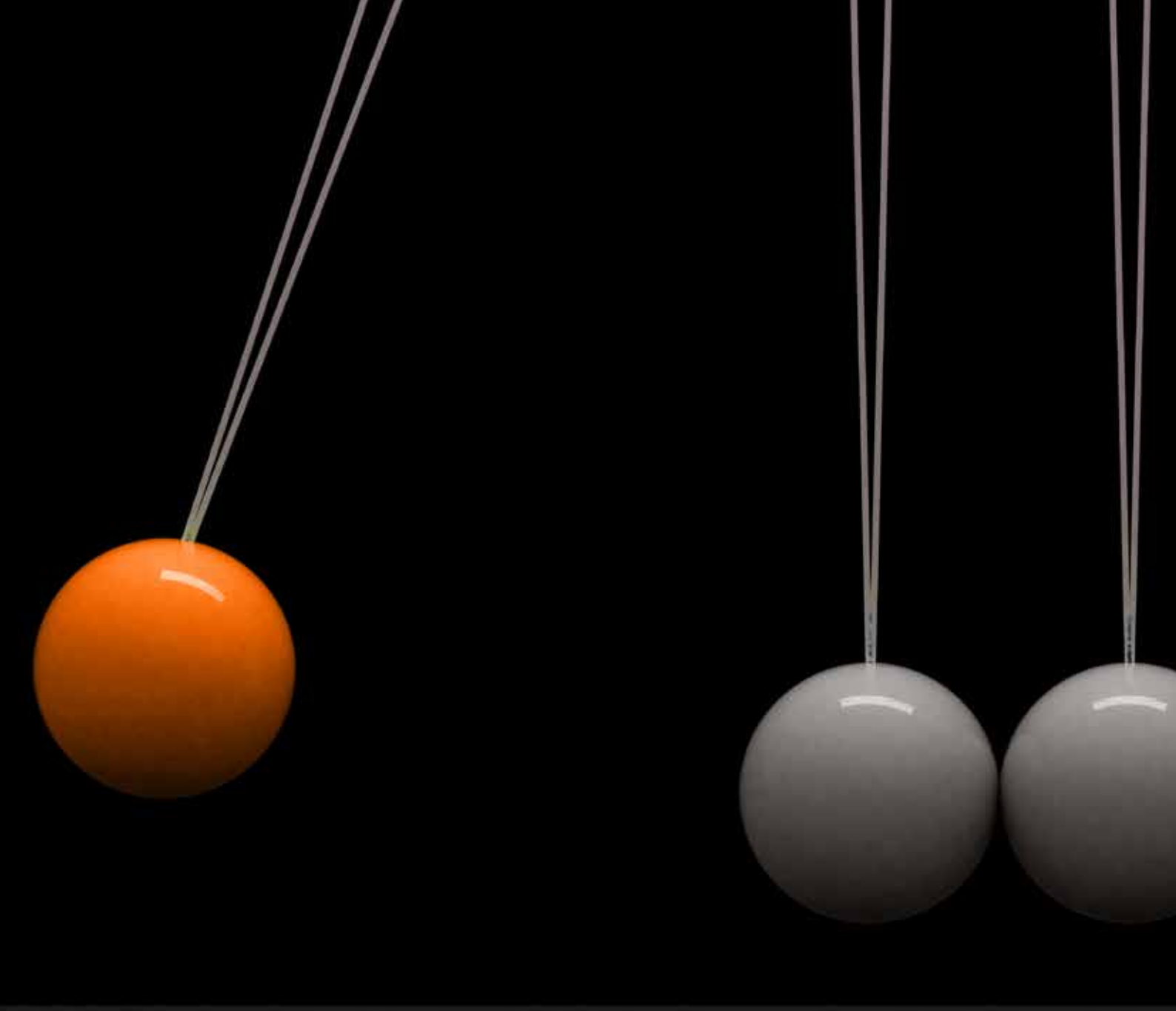
RINOL***CRETE*** systems stand out for their top-tier performance, safety, and aesthetic versatility. Each colour is carefully chosen for both its visual appeal and its resilience against demanding conditions. With a diverse range of coating systems and an even broader palette of shades, surfaces can be tailored to specific design concepts. This allows for areas like storage, production zones, and driveways to be easily distinguished by colour.

Benefits of Colour Design:
- Aesthetics: Elevate spaces with a representative appearance.
- Customisation: Design tailored to unique preferences.
- Safety: Colour coding enhances occupational safety.
- Guidance: Clearly marked escape routes for emergencies.

Our commitment ensures that our colours not only beautify spaces but also enhance functionality and safety.

*These samples should be taken as references only. Colours may vary due to UV light or other atmospheric factors at the time of application.





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