

1. Product Description

The RINOLCRETE ANTI-SLIP system is a premium multilayer resin-based floor coating tailored for areas with a high risk of slips. This system boasts outstanding resistance to both abrasion and impact, ensuring a long-lasting and safe flooring solution. Its chemical resistance further makes it perfect for industrial settings with specific needs. Dense and impermeable, the RINOLCRETE ANTI-SLIP system 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.

2. System Composition

The RINOLCRETE ANTI-SLIP system is made up of a series of layers that guarantee optimum safety and durability. It starts with RINOLCRETE PU-P250 primer for perfect adhesion. This is followed by RINOLCRETE PU-560, a self-levelling coating broadcast with BX1 aggregates or quartz sand. The final layer is RINOLCRETE PU-C565 Finish, which enhances the anti-slip properties for a safe surface. Each component is rigorously tested to ensure a reliable flooring solution.



- Finish**
RINOLCRETE PU-C565
- Self-levelling coating**
RINOLCRETE PU-560
- Primer (optional)**
RINOLCRETE PU-P250
- Substrate**

3. Areas of Application

The RINOLCRETE ANTI-SLIP system is suitable for a variety of environments, including:

- **Industrial kitchens:** The system is stain-resistant and easy to clean, making it ideal for industrial kitchens where hygiene is essential.
- **Food processing plants:** Given its resilience to chemicals, low and high temperatures, it's an ideal solution for food processing environments demanding a durable floor.
- **Warehouses:** Its resistance to abrasion and impact makes it suitable for warehouses where heavy loads are handled.
- **Laboratories:** Its resistance to chemicals and ease of cleaning make it ideal for laboratories where chemical substances are handled.
- **Packing rooms:** Its slip resistance and durability make it perfect for packing rooms where safety is essential.
- **Warehouse applications:** Its resistance to abrasion and impact makes it suitable for warehouse applications where heavy loads are handled.
- **Dry and wet product manufacturing sector:** The system's resilience and adaptability make it a top choice for sectors involved in both dry and wet product manufacturing.

4. Properties

- Anti-slip
- Extremely strong and durable
- Reduced downtime
- Hygienic, prevents bacterial growth
- Resistant to high temperatures and temperature shocks
- Easy to clean
- Complies with European directives
- Highly resistant to chemicals

5. Certifications

All RINOLCRETE systems are EUROFINS INDOOR AIR COMFORT GOLD, demonstrating their high quality and performance. This top level certification ensures that the product's emissions meet the criteria of many voluntary specifications issued by the main eco-labels, EU specifications and requirements for sustainable building certification (LEED, BREEAM, etc.), including low air emissions, slip resistance, chemical resistance and fire resistance, among others relevant to their specific use. Please contact us for a full list of our certifications.



6. Technical Data

We provide detailed technical data on the system, including its physical and mechanical properties.

Technical data		
1	Compressive strength (DIN EN 196 / ASTM C 109)	61 N/mm ²
2	Flexural strength (DIN EN 196 / ASTM C 190)	16,0 N/mm ²
3	Coefficient of thermal expansion (DIN EN 1770 / ASTM C 531)	6 x 10 ⁻⁵ /°C
4	Thermal conductivity (DIN 52612 / BS 874)	0,88 W / m°C
5	Water absorption (CP.BM 2/67/2)	0 ml
6	Abrasion resistance Roue Taber CS10/1000 cycles - 1kg (DIN 53 754 / ASTM D 1044)	1.020 mg
7	Slip resistance (DIN 53505 / ASTM D 2240)	R11 - R13
8	Thermal resistance	-40°C +120°C with a thickness of 9mm

7. Slip Resistance

RINOLCRETE ANTI-SLIP is synonymous with safety. Engineered with a keen focus on accident prevention, this system boasts a surface that provides exceptional grip, even when faced with wet or oily conditions. This extreme anti-slip nature ensures that high-traffic areas or zones where liquids are a common sight remain accident-free. Tested rigorously against industry standards, the system not only meets but often surpasses the benchmarks set for slip resistance. This commitment to safety, combined with its other robust features, ensures that RINOLCRETE ANTI-SLIP remains a trusted ally in environments where the floor's grip can make all the difference.

8. Available Colors

The RINOLCRETE ANTI-SLIP system is available in a variety of colors to suit the aesthetic needs of any installation.

- Light Grey: 
- Mid Grey: 
- Beige: 
- Red: 
- Green: 
- Yellow: 
- Blue: 

9. Application Recommendation

The RINOLCRETE systems should be applied by trained professionals. This process includes surface preparation, which may involve cleaning, sanding, or shot blasting the existing surface to ensure optimal adhesion. Then, the system components are mixed according to the product specifications and applied using appropriate techniques to ensure uniform coverage.

Please note that curing times can vary depending on environmental conditions and the specific product. Generally, the system will be ready for use 24-48 hours after application. However, for the surface to be completely operational and for the floor to exhibit all its properties, a curing period of several days may be required. This period can vary depending on the specific system and the conditions of the application site, including climate and other environmental factors.

10. Maintenance

The RINOLCRETE ANTI-SLIP system is easy to maintain and clean. To ensure the system's longevity and performance, the provided maintenance instructions should be followed. This may include regular cleaning with appropriate cleaning products to remove dirt and residues, periodic floor inspection for signs of wear, and repair or replacement of damaged areas if necessary. With proper maintenance, the RINOLCRETE ANTI-SLIP system can provide many years of reliable service.

11. Safety

Safety is our priority at RCR Flooring Products Italia S.r.l. We provide safety information and precautions that should be taken during the application of RINOLCRETE systems. This may include the use of personal protective equipment during application, adequate ventilation, prevention of exposure to chemicals, and proper disposal of product waste. It is important to follow all safety guidelines to ensure a safe working environment and to maintain the integrity of the RINOLCRETE systems.

12. Health and Safety Measures

For information on handling the product, please refer to the latest and valid material safety data sheet and the chemical industry guidelines on handling coating materials (M004/M023). Wear suitable protective clothing and goggles during application.

Skin contact with liquid resins can lead to health impairments and allergies. Once properly cured, the product is non hazardous.

13. Sustainability

Our commitment to sustainability shines through our RINOLCRETE systems. Central to this commitment is the EUROFINS INDOOR AIR COMFORT GOLD certification. This prestigious certification ensures low VOC emissions and encompasses several renowned environmental and health standards:

- **LEED**: Recognizes sustainable building design and operation.
- **BREEAM**: Assesses the environmental performance of buildings.
- **A+ French VOC Emission Rating**: Indicates minimal harmful substance emissions.
- **AgBB/ABG**: German standard for low VOC emissions.

By achieving the EUROFINS INDOOR AIR COMFORT GOLD certification, we demonstrate our unwavering dedication to environmental excellence and indoor air quality. For a complete list of standards we comply with under this certification, please contact us for more information.

14. Customer Service

At RCR Flooring Products Italia S.r.l., we pride ourselves on offering exceptional customer service. Our team of experts is available to answer your questions, provide technical advice, and help you select the appropriate RINOLCRETE systems for your needs. We also offer training in the application of our systems to ensure they are installed correctly and provide optimal performance.

15. Warranty

We offer a warranty on the RINOLCRETE systems, which covers manufacturing defects and ensures that the system meets our technical specifications. For more details about our warranty, please contact us.

16. Legal Notice

Due to the different materials, substrates and deviating working conditions, no guarantee of a work result or liability for whatever reason and / or legal relationship can be assumed by RCR Flooring Products Italia S.r.l. or RCR Flooring Products GmbH. In all other respects, the respective latest general terms and conditions of RCR Flooring Products Italia S.r.l. or RCR Flooring Products GmbH shall apply, which can be requested from us or viewed and printed out at www.rinol.it up to date. We expressly reserve the right to make changes to the product specifications.

The colors can vary depending on the specific system and the conditions of the application site, including climate and other environmental factors.

17. GIS Code

GIS Code: WGK PU 40. For further information on the Giscode, please contact Wingis online at <https://wingisonline.de>

18. CE - Marking

The individual products that make up the system are certified under the DIN EN 13813 "Screed material and floor screeds - Screed materials - Properties and requirements" (Jan.2003) and EN 1504-2 standards. These standards specify requirements for screed mortars used in indoor floor constructions. Synthetic resin coatings and sealers are also covered by these standards. Products that comply with the mentioned standards must be CE marked.