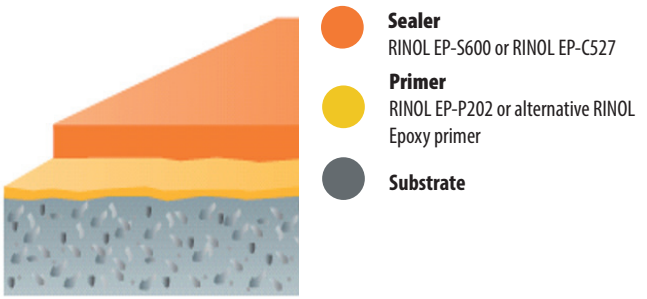
RINOL *SEALING*
COST-EFFECTIVE SURFACE PROTECTION

1. System description
RINOL SEALING 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.

2. System composition



3. Areas of application
The RINOL SEALING system is specifically designed to be applied in various types of industrial environments, adapting to the needs of several sectors, including:

- Light use for industrial floors
- Storage areas
- Warehouses
- Garages and car parks
- Pedestrian areas

4. Properties
- Low odour during application
- Protects and hardens the surface
- Hard wearing
- Suitable for forklift traffic
- Smooth or Anti-slip
- Jointless
- Dust free

5. Certifications
The individual products within RINOL SEALING system are certified to meet high quality standards:

Synthetic resin screed material according to EN 13813:2002
Coating for surface protection of concrete according to EN 1504-2:2004

6. Technical data
The RINOL SEALING system provides detailed technical data, including physical and mechanical properties:

Technical Data		
1	Thickness	Smooth 0.5 - 0.8 mm / Anti-slip (with sand scattering) 0,8-1,2 mm
2	Maximum service temperature	45 °C
3	Adhesive strength (DIN ISO 4624)	> 1,5 N/mm^2
4	Abrasion Resistance Taber (DIN 53754 /ASTM D 1044)	74mg / 1000 cycles
5	Shore D Hardness: (DIN 53505 /ASTM D 2240)	72
6	Colour stability (scale 1-8, best=8) (DIN EN ISO 877)	6
7	Slip resistence (DIN 51130)	R9 - R13

7. Chemical Resistance
The RINOL SEALING floors, under ambient temperature conditions, demonstrate resistance to:

Weak mineral acids, such as hydrochloric, nitric, phosphoric, and sulfuric acids.
Alkaline substances, including sodium hydroxide up to 50% concentration.
Standard cleaning agents used for floor maintenance.
Sugars, even with repeated contacts.
Mineral oils, diesel, kerosene, and gasoline.

8. Available colours
The RINOL SEALING system is available in a wide range of RAL and NCS colours, offering a broad selection to meet the aesthetic preferences of any project.

9. Application Instructions
9.1. Substrates
9.1.1 Suitable substrates are concrete, polymer modified concrete or screeds, anhydrite or magnesite.
9.1.2 The substrate should have a minimum tensile strength of 1.5 N/mm^2 and compressive strength of 25 N/mm^2 measured to an approved national standard.
9.1.3 The substrate should be visibly dry. For concrete and polymer modified concrete, the moisture content should not exceed 4% by weight when measured according to a recognised standard. RINOL range includes primers that can optionally be used when the static moisture content reaches 6%, measured using CM (calcium carbide) Method. For anhydrite or magnesite substrates, moisture contents up to 0.8% by weight are acceptable.
9.1.4 The substrate must be clean and free from dust and loose particles. All traces of contaminants such as oils, fats, greases, paint residues, chemicals,

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algae and laitance should be removed.

9.2. Preparation

9.2.1 The preferred methods of surface preparation are wire brush scarifying or surface grinding. Vacuum blasting may be used, but care must be taken to avoid excessive surface profile.

9.3. Priming

9.3.1 The primer is mixed using an electric mixer, taking care to avoid the inclusion of air. When homogeneous, the mixture is poured onto the prepared surface and spread using a Kaub spatula or rubber trowel. Material consumption is 250 - 500 g/m^2 depending on the roughness of the substrate.

9.3.2 Dry quartz sand (RINOL QS15 or QS20) can be optionally scattered on the wet primer at a rate of 800 - 1200 g/m^2, depending on the required antiskid properties.

9.3.3 RINOL primers must not be applied when the temperature falls or is expected to fall within 3 °C of the dew point.

9.4. Application of the sealer

9.4.1 The sealer RINOL EP-S600 or RINOL EP-C527 should be applied when the primer is hardened but not completely cured. This will normally be after 12 - 15 hours.

9.4.2 If quartz sand has been scattered, prior to application of the seal coat, remove excess of sand and sand and vacuum clean the primer.

9.4.3 The two components of RINOL EP-S600 or RINOL EP-C527 should be mixed using an electric mixer, taking care to avoid the inclusion of air. When homogeneous, pour the mixture onto the primed surface and apply with a lambskin or mohair roller. The material consumption is approximately 200 - 300 g/m^2 for smooth surface and 400 - 800 g/m^2 for anti-slip surface.

9.4.4 RINOL EP-S600 or RINOL EP-C527 must not be applied when the temperature falls or is expected to fall within 3 °C of the dew point.

9.4.5 At 20 °C RINOL SEALING can be walked on after 18 - 24 hours and is fully cured after 7 days and full chemical resistant after 28 days.

10. Specification clauses for RINOL SEALING

All products must be applied and cured at temperatures between 15 and 25°C and relative humidity <80%.

The primer shall be RINOL EP-P202 or alternative RINOL Epoxy primer, applied at a rate of 250 - 500 g/m^2 to ensure complete sealing of the substrate surface. Dry quartz sand (RINOL QS10 or QS20) can be optionally be scattered into the wet primer at a rate of 800 - 1200 g/m^2 depending on the anti-slip properties required.

Apply a coat of RINOL EP-S600 or RINOL EP-C527 at a rate of approx. 200-800 g/m^2. For light colours, two or three layers of RINOL EP-S600 may be required for a complete and evenly covering.

11. Maintenance

The RINOL SEALING system is easy to maintain and clean. To ensure the system's longevity and performance, it is essential to follow the provided maintenance instructions. This may include regular cleaning with suitable products to remove dirt and residues, periodic inspection of the floor for signs of wear, and repair or replacement of damaged areas if necessary. With proper maintenance, the RINOL SEALING system can provide many years of reliable service.

12. Safety

Safety is a priority at RCR Flooring Products Italia S.r.l. We provide information on safety and precautions during the application of the RINOL 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 maintain the integrity of the systems.

13. Health and Safety Measures

Consult the latest valid Material Safety Data Sheet (MSDS) for the products that are part of the system and the Chemical Industry Guidelines on the Handling of Coating Materials (M004/M023) for information on the handling of the products. Wear suitable protective clothing such as gloves and goggles during application.

Skin contact with liquid resins can cause health damage and allergies. Once cured properly, the product is not hazardous.

14. Customer Service

At RCR Flooring Products Italia S.r.l., we pride ourselves on providing exceptional customer service. Our team of experts are on hand to answer your questions, provide technical advice and help you choose the RINOL systems that best suit your needs. We also provide application information to ensure that our systems are installed correctly and deliver optimum performance.

15. Legal notice

The technical data for the Company's products and systems have been compiled with due care. However, any recommendations or suggestions made with regard to the use of these products are made without guarantee as the conditions under which they are used are beyond the control of the Company. It is the responsibility of the customer to determine whether the products are suitable for the particular application and whether the conditions of use are appropriate for the particular product. No liability can therefore be derived from the product data sheet.

Please note that only the latest version of the data sheet is valid and replaces all previous versions. The technical data given are approximate values determined by us and do not constitute a guarantee of properties. Misprints, errors, translation errors and changes reserved. Please note that the information in the system datasheets may differ in different languages/ countries. For further information please visit our website at www.rinol.com.

The technical data sheet does not exempt the user from carrying out his own application tests, if necessary, within the limits of his capabilities. Please refer to the RINOL Technical Guide for information on coating options and more detailed information on the installation of RINOL products.

16. CE Marking

The individual products that make up the system are certified according to DIN EN 13813 "Screed materials and floor screeds - Screed materials - Properties and requirements" (January 2003) and EN 1504-2. These standards specify the requirements for screed mortars used in internal floor constructions. Resin coatings and sealants are also covered by these standards. Products complying with the mentioned standards must have the CE mark.

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