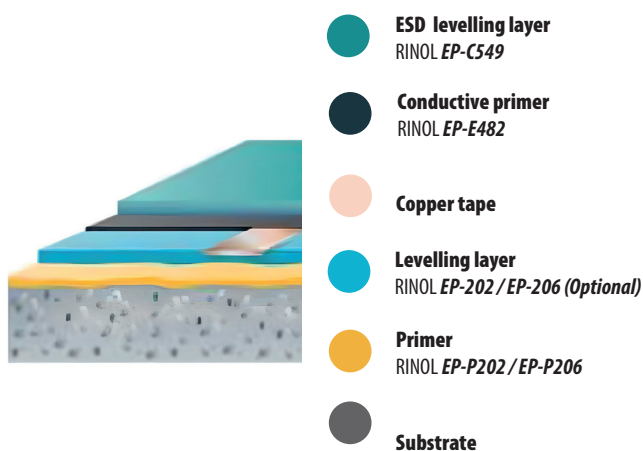


1. System description

The RINOL ETEC V1 system is a high quality four-layer volumetric ESD epoxy floor coating specifically designed for industrial environments. This system provides excellent chemical and mechanical resistance, ensuring a durable and reliable flooring solution. It is ideal for areas subject to heavy traffic and severe operating conditions.

2. System composition

The RINOL ETEC V1 system consists of an epoxy primer and levelling layer, a conductive epoxy layer and an electrically dissipative epoxy self-leveling. This sequence ensures adhesion, surface uniformity and durability in industrial environments.



3. Areas of application

The RINOL ETEC V1 system is specifically designed to be applied in various types of industrial environments, adapting to the needs of several sectors, including:

- **Operating room:** Providing a clean and controlled environment for medical procedures.
- **Clean Rooms:** Ideal for spaces sensitive to dust and contaminants.
- **Power Stations, Transformers, and Sub-Stations:** Ensuring reliable performance in electrical environments.
- **Electronics Industry:** Suitable for production and research areas where static control is crucial.

4. Properties

- **Low Odour During Application:** Minimizing disruption during installation.
- **Low VOC and particle emissions:** Contributes to a healthier indoor environment by releasing fewer volatile organic compounds and particles.
- **Electrically Conductive:** With minimal use of copper tape, ensuring safety in sensitive areas.
- **Hard Wearing and Long Lasting:** Offering durability and long-term performance.
- **Smooth, Easy to Clean Finish:** Ensuring ease of maintenance.
- **Non-Dusting and Seamless:** Providing a clean and uniform surface.
- **Good Chemical Resistance:** Tolerant to a wide range of chemicals.

5. Certifications

- Testing of electrostatic properties in accordance to EN 61340-5-1, Kiwa

Polymer Institut

- Particle emission certificate on RINOL EP-C549 Statement of Qualification - ISO 14644-1, class ISO 2, Fraunhofer-Institut
- Material outgassing certificate on RINOL EP-C549 according to VDI 2083-P17 and to Exyte Group standard outgassing procedure
- Environmental product declaration (EPD) certification

6. Technical data

The RINOL ETEC V1 system provides detailed technical data, including physical and mechanical properties:

Technical Data		
1	Flexural tensile strength (DIN EN 196 / ASTM C 190)	> 45 N/mm ²
2	Compressive strength (DIN EN 196 / ASTM C 109)	> 70 N/mm ²
3	Adhesive peel strength (DIN ISO 4624)	> 1,5 N/mm ²
4	Shore D hardness (DIN 53505 / ASTM D 2240)	75
5	Earth conductor resistance R _G (DIN EN 61340-4-1)	< 10 ⁹ Ω
6	Total resistance R _{G,sys} (DIN EN 61340-4-5)	< 10 ⁸ Ω
7	BVG Walking test (DIN EN 61340-4-5)	< 100 V
8	full load capacity mechanical (23°C) chemical (23°C)	after 7 days after 28 days

7. Chemical Resistance

The RINOL ETEC V1 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 ETEC V1 system is available in a wide range of RAL colours, offering a broad selection to meet the aesthetic preferences of any project.

9. Application recommendation

The RINOL ETEC V1 systems should be applied by qualified professionals. The process includes surface preparation, which may involve cleaning, sanding, or shot blasting the existing surface to ensure optimal adhesion. Subsequently, the system components are mixed according to product specifications and applied using appropriate techniques to ensure uniform coverage. Curing

times may vary depending on environmental conditions and the specific product. Generally, the system is ready for use 24-48 hours after application. However, a full cure period of several days may be required for the surface to exhibit all its properties fully.

10. Maintenance

The RINOL ETEC V1 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 ETEC V1 system can provide many years of reliable service.

11. 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 ETEC V1 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 RINOL ETEC V1 systems.

12. Health and Safety Measures

Refer to the latest valid Material Safety Data Sheet (MSDS) and the chemical industry guidelines on handling coating materials (M004/M023) for information on product handling. Wear suitable protective clothing and goggles during application.

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

13. 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 ETEC V1 systems that best suit your needs. We also provide application information to ensure that our systems are installed correctly and deliver optimum performance.

14. Legal notice

Due to the diversity of materials, substrates, and varying working conditions, RCR Flooring Products Italia S.r.l. or RCR Flooring Products GmbH does not assume any warranty of results or liability for any reason and/or legal relationship. For all other aspects, the latest general terms and conditions of RCR Flooring Products Italia S.r.l. or RCR Flooring Products GmbH apply, which can be requested from us or viewed and printed from the website www.rinol.it. We expressly reserve the right to make changes to product specifications. Colours may vary depending on the specific system and site conditions, including climate and other environmental factors.

15. 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.