

RINOLEP-I125

WATER-BASED IMPREGNATING AND PRIMING RESIN

RINOL

1 General data

Product description / Application

RINOL EP-I125 is a colourless, ready-to-use, water-thinnable impregnating and priming resin based on high-quality epoxy resin.

RINOL EP-I125 can be diluted with water at a ratio of 1:3 to 1:4. Depending on the condition of the substrate, several coats may be necessary.

2 Installation instructions

Substrate preparation

It is essential to check whether the substrate is open-pored, porous or similarly absorbent, as in such cases two or more coats are usually required to achieve optimum pore sealing. Pore sealing must always be ensured in order to prevent bubble formation in subsequent layers. In individual cases, a test area must be prepared. This also applies to highly absorbent and/or porous substrates.

RINOL EP-I125 may be applied directly onto the substrate with substrate moisture contents of up to max. 4% (measured according to the CM method). The substrate must have an adhesive pull-off strength of at least 1.5 N/mm² and must be free from oily or greasy contaminants, release agents, loose particles and similar substances. Cracks and cavities must be properly repaired beforehand.

Care must be taken to ensure that no substances containing silicone or other substances that may interfere with the reaction come into contact with RINOL EP-I125 before and during the curing phase.

Application

The product is supplied in 2-component containers in the correct mixing ratio. Before processing, the material must be conditioned to at least ambient temperature (room and floor temperature).

The B-component container must be emptied completely into the A-component container. Both components must be mixed homogeneously with a suitable mechanical stirrer for at least 2–3 minutes. Air entrapment during mixing must be avoided. The mixture must then be decanted and stirred briefly again.

RINOL EP-I125 must be poured in portions onto the surface to be coated and applied using a lambskin roller. Two coats are recommended for highly absorbent substrates.

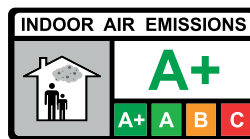
The varying absorption of the product into concrete, depending on the porosity of the substrate, may result in a temporary "leopard skin" appearance. This visual effect usually disappears again after a few days.

Recoating

For adhesion reasons, the subsequent coat should be applied as soon as the primer has dried, typically within 15–24 hours, and no later than 24 hours after application.

Protective measures

For information on handling the product, please refer to the valid safety data sheet and the guidelines of the chemical industry on handling coating



Technical data

Liquid mixture (A+B)

1	Container size (2-component container)	11 kg
2	Colours	colourless
3	Shelf life / storage	6 months at 5-20°C, in any case (also during transport) frost-free, protect from direct sunlight

Technical data

Liquid mixture (A+B)

1	Density (20°C)	approx. 1.10 kg/l
2	Processing time (20°C)	approx. 60 minutes
3	Processing / material and room temperature	15-25°C (min. 3 degrees above dew point also during installation and curing)
4	Material consumption (depending on substrate)	approx. 200-500 g/m ²
5	Walkability (20°C)	after approx. 12-18 hours
6	Subsequent coating (20°C)	within 15-24 hours
7	Rel. air humidity	< 80% during the entire laying and curing phase

materials (M004/M023). Suitable protective clothing and safety goggles must be worn during processing.

Skin contact with liquid resins can lead to health problems and allergies.

Notes

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.

EP resins are generally not colour-stable in the long term under UV and weathering influences. Chemically and mechanically stressed surfaces are subject to wear and tear due to use. Regular maintenance is recommended.

Consumption quantities, processing time, walkability and achievement of load-bearing capacity depend on temperature and object.

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.

Important note

In addition to the ambient temperature, the floor temperature is of decisive importance. At low temperatures, chemical reactions generally proceed more slowly. This extends the recoating and walkability times. The higher viscosity of the products also increases material consumption. At higher temperatures, chemical reactions proceed more quickly, reducing the recoating and walkability times.

The material must always be protected from water during application. Furthermore, the material must be protected from direct contact with water for approx. 24 hours (at 20°C) after application. Within this time, exposure to water (e.g. dew or condensation) can lead to white discolouration (carbamate formation) on the surface or make the surface sticky in these areas. This may impair adhesion to subsequent coatings.

The system must always be protected against rear moisture influence and water pressure, even during use.

Legal information:

Due to the different materials, substrates and deviating working conditions, RCR Flooring Products cannot guarantee a work result or accept any liability for whatever reason and / or legal relationship. In addition, the latest general terms and conditions of RCR Flooring Products Italia S.r.l. apply, which can be requested from us or viewed and printed out at www.rinol.com. We expressly reserve the right to make changes to the product specifications.

CE labelling:

DIN EN 13813 "Screed mortars, screed compounds and screeds - Characteristics and requirements" (Jan. 2003) specifies requirements for screed mortars used for indoor floor constructions.

Synthetic resin coatings and sealers are also covered by this standard. Products that comply with the above standard must be labelled with the CE mark.

CE marking: 1504-2

Floor systems that are subject to mechanical stresses and whose products comply with DIN EN 1504-2 must also fulfil the requirements of DIN EN 13813. DIN EN 1504-2 "Products and systems for the protection and repair of concrete structures - Part 2: Surface protection systems for concrete" specifies the requirements for the surface protection methods "hydrophobic impregnation", "impregnation" and "coating". If required, the corresponding data sheet can be requested.

EU Regulation 2004/42 (Decopaint Directive):

The maximum VOC content permitted in EU Regulation 2004/42 (product category IIA / j type sb) when ready for use is 500g/l (limit 2010). The maximum content of Rinol EP-I125, ready for use is <500g/l VOC.

GIS Code: WGK RE 30

Further information on the GIS code is available from Wingis online at <https://www.wingisonline.de>

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