

RINOL **EP-L300**

Our products are total solid according to test method Deutsche Bauchemie e.V.

1 General Data

Product description and Use

RINOL EP-L300 is a coloured ready-to-use two-component levelling compound made from high-grade epoxy resins and fillers. After mixing with the associated hardening agent, RINOL EP-L300 can be used for joint less, non-porous levelling layers suitable for the levelling of larger uneven patches when filled with up to 30 % by weight of quartz sand.

RINOL Systems

RINOL EP-L300 serves as a levelling layer for the RINOL systems

RINOL **ALLROUNDER**
 RINOL **CONDUCTIVE**
 RINOL **EXQUISIT**
 RINOL **HEAVY DUTY**
 RINOL **DESIGN**
 RINOL **LETEC**

2 Processing Instructions

Substrate Preparation

RINOL EP-L300 is applied to the primed substrate. The substrate must be clean and free from dust and loose particles. All traces of contaminants such as oils, fats, greases, paint residues, chemicals, algae and laitance should be removed. The levelling layer should be applied within 24 hours after the primer. A later application is only possible after careful grinding.

In general it must be tested if the substrate is open pored or porous or similie, because in this case it could come to blow forming or forming of porosities in the coating. This must be check of the processor and as the case may be rimediaated.

You have to respect that non silicon containing or other factors disturbing the reaction before and during the hardening time encounter with RINOL EP L300.

Technical data

Liquid mixture (A+B)

1. Density (20°C)	approx. 1,55 g/cm ³
2. Packaging size (2-component container)	25 kg
3. Colours	RINOL colour chart
4. Shelf life / storage	6 months at 5–20°C, always keep from freezing (also during transport) proctect from direct solar radiation

Technical data

Cured material

1. Adhesive strength (DIN ISO 4624)	> 1,5 N/mm ² (concrete failure)
2. Flexural strength (DIN EN 196 / ASTM C190)	30
3. Compressive strength: (DIN EN 196/ASTM C109)	54

Technical data

Liquid mixture (A+B)

1. Processing time (20°C)	20–25 min.
2. Processing / material / ambient temperature:	15–25°C (surface temperature must be at least 3°C above dew point as well during the application- and curing time)
3. Material consumption (depending on substrate)	approx 800–1000 g/m ²
4. air humidity	< 80% (during the application- and curing time)
5. Can be walked on (20°C)	after 12–15 hours
6. Consecutive layer (20°C)	within 12–24 hours

Manufacturer:

RINOL Italia Research & Technology Srl, via V. Chiarugi 76/U, I-45100 Rovigo Tel +39-0425-411200 Fax +39-0425-411222

RINOL *EP-L300*

Processing

The product is delivered in 2 component containers in the exact mixing ratio. Before starting the application, the material has to be heated to ambient temperature (air and floor temperature). The A-component is stirred for about 2–3 minutes. Then the entire contents of the B-component are emptied into the A-component and both components are stirred for at least 2–3 minutes using a mechanical stirrer. The inclusion of air in the stirring process must be avoided. The mixture is poured into a different container and stirred again briefly. The product can be filled with silica sand up to 20% by weight (RINOL QS20).

RINOL EP-L300 is poured onto the surface and spread over the entire area to the desired thickness with a non-serrated spatula, flattening knife or trowel. To enhance inter-coat adhesion the damp coating can be sprinkled with silica sand RINOL QS20 (consumption approx. 1 kg/m²). To cover vertical surfaces, add 1–3% of floating agent RINOL X965 to the mixture.

Reworking

Before applying the next layer, excess silica sand must be removed completely. If reworking the layer within 24 hours after application the layer need not be ground. Reworking after that is only possible after grinding it carefully.

Health & Safety

Appropriate health and safety advice can be found in the Material Safety Data Sheets. Users are advised to wear gloves and eye protection when mixing or applying RINOL EP-L300.

Skin contact with liquid resins could cause adverse effects or allergy.

Possibilities for layering and detailed information about the application of RINOL products can be found in the RINOL Technical Guide.

Note

The characteristic data are approximate values calculated by us. They do not represent warranted characteristics. Consequently, no liability claims of any kind may be derived from the Product Data Sheet.

Please note that the newest version of the technical datasheet replaces the old one.

Note

The ambient temperatures and also the underground temperatures are very important. At lower temperatures generally the chemical reactions are delayed. Following the reworking the workable times extend. By higher viscosities of the products, as well the material consumption grows.

At higher temperatures the chemical reactions are abbreviated and the reworking and workable times are shorter.

The material should be generally protected during the working time from water admission. Furthermore the material must be protected after application about approx. 24 hours (at 20°C) from direct water admission. During this period the water admission (for eg. dew, condensation) could cause a white colouring (Carbamate) on the top as the case may be the top coat could be clammy at this spots and these circumstances could affect the adhesion to the following layers.

In general to protect from back coming and oppressive humidity as well during the utilization.

Notice of right

Because of the different materials, supports and variable working conditions, a warranty can't be assumed from RINOL of a working result or a disclaim for whatever reason or legal relationship.

For the rest, the newest general and sales terms are valid. You can request them or you can download them and print them out from www.rinol.com. Changes of the specification of the product are reserved.

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RINOL **EP-L300**

CE Identification:

The DIN EN 13813 „ cementionse compounds and epoxy/polyurethan – charateristics and requirements “Jan.2003 appointed requirements to floor mortars, which will be used for floorconstruction for interior rooms. Resin floorings and – sealings are included in this norm. Corresponding products to the above norms are performed with the CE identification.

 RINOL Italia Research & Technology Srl Via Chiarugi 76/U I-45100 Rovigo
05 ¹ EN 13813 SR-B1,5-IR4
1119-CPR-0833 09 EN 1504-2



Resin floors/-coatings for interior uses in building (constructional systems according to technical data sheet)	
Fire behaviour:	B _{FL} -S1
Water penetrability	NPD ²
Abrasion Resistance:	NPD ²
Adhesive strength (Bond):	B 1,5
Impact Resistance	IR 4
Isolation of foot fall sound:	NPD ²
Sound absorption:	NPD ²
Chemical resistance	NPD ²

- 1) the last numbers of the year, when the CE identification was applied
- 2) NPD = No Performance Determined;

CE identification: 1504-2

Flooring systems, who are subject to meccanical strenght and their products according to DIN EN 1504-2, must corrispond as well to the requirements of DIN EN 13813.

The DIN EN 1504-2 “products and systems for protection and restoration of beton systems – 2.part “ Surface protection systems for concret” appointed the requirement for the method of surface protection” hydrophobied impregnation“ impregnation and coating. In the case of need the corrispondent sheet can be required.

European Decree 2004/42 (Decopaint-directive)

The allowed value established in the European Decree 2004/42 of the max. content of VOC (product category IIA/ j type sb) is in the ready to use state 500g/l (limit 2010). The max. content of **RINOL EP-L300** in the ready to use state is < 500 g/l VOC.

GIS Code: WGK RE 1

Further information for the Giscode you can get by Wingis online under <http://www.wingis-online.de/wingisonline/>

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