RINOL*EP-QC509*
BASE COAT FOR EPOXY COVE MOULDS

1 General Information

Product Description and Use
RINOL EP-QC509 is a ready-to-use, coloured, two-component coating compound based on solvent-free epoxy resin for coating cove base mouldings. Once mixed with the correct hardener, it forms the base coat for RINOL QCR and RINOL GFR cove base mouldings.

RINOL Systems
RINOL EP-QC509 is the pigmented base coat for the RINOL system:
- RINOL QCR and RINOL GFR cove base mouldings

2 Laying Instructions

Substrate preparation
RINOL EP-QC509 should be applied to a primed substrate. The substrate must be clean and free from release agents. The pigmented base coat layer should be applied no later than 24 hours after the primer. Reworking the pigmented base coat after this time is only possible after careful grinding.
In general, it is important to check whether the substrate is open-pore or porous, as bubbles and pores may otherwise form in the coating. The fabricator should check this and remedy it if necessary.

Ensure that no silicone-containing materials or other substances that could interfere with the reaction come into contact with RINOL EP QC 509, either before or during the curing phase.

Processing
The product is supplied in two-component containers at the exact mixing ratio.
Before processing, the material must be heated to at least ambient temperature (i.e. room and floor temperature).
Stir the A component for approximately 2–3 minutes, then empty the B component completely into the A component. Mix both components together for at least 2–3 minutes using a mechanical stirring tool. Avoid including air in the stirring process. Pour the mixture into a different container and stir briefly again.
RINOL EP-QC509 is applied to the surface to be coated using a brush and is used as a pigmented base coat for RINOL QCR and RINOL GFR cove base mouldings.

Reworking
If reworking is carried out within 24 hours of application, the levelling layer does not need to be ground further. Reworking after this time is only possible after careful grinding.

Safety Measures
For information on how to handle the product, please refer to the relevant safety data sheet and the chemicals regulations regarding the handling of coating materials (M004/M023). Wear suitable protective clothing and goggles during processing.

Skin contact with liquid resins can harm health and may cause allergies.

Information on layering possibilities and the application of RINOL products can be found in the RINOL Technical Guide.

Technical data		
Liquid mixture (A+B)		
1	Density (23°C)	approx. 1.55 g/cm³
2	Packaged unit size (2-component container)	25 kg
3	Colours	see RINOL colour chart
4	Shelf life/storage	12 months at 5–20°C always store above freezing and out of direct sunlight (even during transport)

Technical data		
Cured material		
1	Adhesive pull strength (DIN ISO 4624)	> 1.5 N/mm²
2	Bending tensile strength (DIN EN 196)	30
3	Compressive strength (DIN EN 196)	75

Technical data		
Liquid mixture (A+B)		
1	Processing time (20°C)	20 - 25 minutes
2	Processing/material/room temperature	15–20°C (min. 3 degrees above the dew point, even during laying and curing)
3	Material consumption (depending on the substrate)	approx. 150-200 g/rm
4	rel. humidity	< 80% (during the entire laying and curing phase)
5	Can be walked on (20 °C)	after 12-15 hours
6	Subsequent layer (20°C)	within 12–24 hrs

Note
The specification values provided are approximate and are not a guarantee of the product's properties. Consequently, no liability claims may be derived from the product data sheet.
EP resins are generally not colour-stable in the long term when exposed to UV rays and weathering.

Please note that only the latest version of the technical data sheet is valid and supersedes all previous versions.

Important note
In addition to ambient temperature, floor temperature is also very important.

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As a general rule, chemical reactions are slower at low temperatures. This extends the reworking time and the time until the floor can be walked on. Higher product viscosities also increase material consumption.
At higher temperatures, however, the chemical reactions are accelerated, reducing the reworking time and the time until the floor can be walked on.
The material should generally be protected against exposure to water during processing. Furthermore, it must be protected against direct exposure to water for approximately 24 hours following application (at 20 °C). During this period, exposure to water (e.g. dew or condensation) could cause whitening (carbamate formation) on the surface, or the surface could become sticky at these points, which could impair adhesion to subsequent coatings.

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Legal note:
The technical data for the company's products has 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.

CE labelling:
DIN EN 13813, 'Screed mortars, screed materials and screeds – Properties and requirements' (January 2003), specifies the requirements for screed mortars used in interior floor constructions. The standard also covers synthetic resin coatings and sealants. Products that comply with this standard are provided with the CE marking.

CE
RCR Flooring Products Italia S.r.l. Via Chiarugi 76/U I-45100 Rovigo
10[1] EN 13813 SR-B1,5-IR4

Synthetic resin screed/coating for indoor use in buildings (structures according to technical data sheets)	
Fire behaviour:	NPD
Water permeability:	NPD[2]
Wear resistance (Abrasion Resistance):	NPD[2]
Tensile bond strength:	B 1.5
Impact resistance	IR 4
Impact sound insulation:	NPD[2]
Sound absorption:	NPD[2]
Chemical resistance:	NPD[2]

-1) the last two digits of the year in which the CE marking was affixed.
-2) NPD = No Performance Determined; characteristic value not specified

CE marking: 1504-2
Flooring systems which are subjected to mechanical stresses and products thereof which comply with DIN EN 1504-2 must also satisfy the requirements of DIN EN 13813.
DIN EN 1504-2 "products and systems for the protection and maintenance of concrete structures – part 2: surface protection systems for concrete" specifies the requirements for the surface protection methods "hydrophobing impregnation", impregnation and coating. The relevant data sheet can be requested as necessary. t.

European Regulation 2004/42 (Decopaint Directive)
The maximum VOC content (product category IIA/j, type SB) permitted by European Regulation 2004/42 is 500 g/l (limit in 2010) in the ready-to-use state. The maximum VOC content of RINOL EP QC 715 in its ready-to-use state is less than 500 g/l.

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