

RINOLPA-QC212

LOW-VISCOSITY PIGMENTED PU PRIMER

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1 General Information

Product Description and Use

RINOL PA-QC212 is a ready-to-use, low-viscosity, two-component base coat containing pigments. It is based on a solvent-free polyurethane resin and is intended for use with the RINOL QCR PU and RINOL QCR 2 PU flooring systems. RINOL PA-QC212 is characterised by its excellent wetting and adhesion properties. It is supplied in light or dark grey and is suitable for use with residual substrate moisture in cement systems of up to 4.0% and in anhydrite-bonded systems of up to 0.5% (measured by the CM method).

2 Laying Instructions

Substrate preparation

The substrate must be capable of bearing a compressive load of at least 25 N/mm². The adhesive pull strength must also be at least 1.5 N/mm².

The substrate must be clean and free from release agents.

In general, it is necessary to check whether the substrate is open-pore or porous, since bubbles and pores may otherwise form in the coating. The fabricator should check this and remedy it if necessary.

Before applying RINOL PA-QC212, the substrate must be primed with an RINOL epoxy primer in accordance with the relevant product and system data sheets.

Care should be taken to ensure that RINOL PA-QC212 does not come into contact with silicone-containing materials or other substances that could interfere with the reaction, 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 one to two minutes, then empty the entire contents of the B component into the A component. Both components must then be mixed together thoroughly for 2–3 minutes using a suitable electric stirring tool. Then, fillers are added and mixed for a further 1–2 minutes. Air must be avoided during the stirring process. The resulting mixture should then be poured into a different container and stirred briefly again.

Pour the product onto the floor and apply it using a smooth metal trowel.

After application, RINOL QCR coloured sand can be scattered liberally over the still-wet surface.

Reworking

Before applying the next layer, the surface must be cleaned carefully and all excess sand removed.

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.

Technical data		
Liquid mixture (A+B)		
1	Density (23°C)	approx. 1.1 g/cm ³
2	Packaged unit size (2-component container)	10 kg
3	Colours	Grey or dependant on the RINOL QCR colour mix
4	Shelf life/storage	6 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/mm ²

Technical data		
Liquid mixture (A+B)		
1	Processing time (20°C)	approx. 20–25 minutes
2	Processing/material/room temperature	approx. 5–25°C (min. 3 degrees above the dew point, even during laying and curing)
3	Material consumption: see respective laying instructions	RINOL QCR RINOL QCR2
4	Can be walked on (20 °C)	after approx. 5 hours
5	Subsequent layer (20°C)	within 3–5 hours
6	rel. humidity	< 70% (during the entire laying and curing phase)

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

Note

The specification values provided are approximate and are not a guarantee of the product's properties. Consequently, no liability claims may be made on the basis of the product data sheet.

Surfaces exposed to chemical and mechanical stress will show signs of wear and tear over time. Regular maintenance is recommended in this case.

The consumption amounts, processing time, time until the floor can be walked on, and point at which load-bearing capacity is reached depend on



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temperature and the object. Please note that only the most recent version of the technical data sheet is valid, replacing all previous data sheets.

Important note

In addition to ambient temperature, floor temperature is also very important. 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 problems with the surface, which could become sticky in places, impairing adhesion to subsequent coatings.

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

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

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EN 13813 SR-B1,5-IR4

Synthetic resin screed/coating for indoor use in buildings (structures according to technical data sheets)

Fire behaviour: B_{FL}-S1

Water permeability: NPD²

Wear resistance (Abrasion Resistance): NPD²

Tensile bond strength: B 1.5

Impact resistance IR 4

Impact sound insulation: NPD²

Sound absorption: NPD²

Chemical resistance: NPD²

-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 subjected to mechanical stresses, and the products thereof, must comply with DIN EN 1504-2 and 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 'hydrophobic impregnation', impregnation, and coating.

European Regulation 2004/42 (Decopaint Directive)

The maximum content of VOC (product category IIA/ j type sb) as permitted by European Regulation 2004/42 is 500g/l (limit 2010) in the ready-to-use state. The maximum content of RINOL PA-QC212 in the ready-to-use state is < 500 g/l VOC