



Leaders of the flat world



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Introducing RCR Flooring Applications

RCR Flooring Applications is a worldwide group of specialist flooring contractors.

We have a team of companies around the world which each operates on a local basis, and yet draws on the knowledge and expertise of the whole RCR community. The result is a powerful entity which provides a consistent, integrated, world-class service.

RCR Flooring Applications truly spans the globe. It includes wholly-owned RCR companies across Europe, South America and Africa. We also have strong partnerships with companies in many other territories worldwide, including India, Russia, the Middle East and South East Asia.

RCR Flooring Applications is a part of RCR Industrial Flooring. Other divisions include RCR Flooring Products and RCR Flooring Services. This allows each of our Applications companies to offer all-in-one solutions.

All our companies, from every division, commit to our corporate values of **integrity, teamwork and achievement**. They also operate according to our principles of customer focus, operational excellence, open innovation and 'All For One'.

Together, we are committed to being the **Leaders of the Flat World**.



Concrete pour by Placeo, France.

Why choose RCR?

Whether you are a client commissioning a new building, or a main contractor looking for a reliable specialist sub-contractor, there are plenty of reasons to choose an RCR Applications company.

World-class standards

Appointing an RCR Applications company means you can be assured of the highest international standards for your project – even where tight specifications and tolerances are required. Many global companies have chosen RCR for this reason. They also value the assurance that their properties worldwide will be built consistently to their precise requirements, every time.

Local knowledge, international support

Far from being a faceless international organisation, each RCR company is strongly rooted in its territory, with all the local knowledge and connections you would expect. However, being part of a large group means our companies have unrivalled access to the latest international thinking and techniques. So our clients enjoy the best of both worlds.

Productivity and commitment to schedules

Our companies and teams benefit from the latest equipment to allow high productivity without compromising on quality. RCR owns the largest collection of Somero's Laserscreed® and topping spreaders. We also have the capacity to mobilise international teams, when needed, to always deliver on expectations.

Experience

All our companies embody years of experience in large-scale concrete flooring design and construction. We're proud to present a wide portfolio of successful projects, across a number of diverse sectors.

All In One

For clients, choosing an RCR company gives the assurance of accountability for performance, and a guaranteed result. In our unique All in One concept, the RCR Flooring companies Design and Build with our own RCR Flooring Products – Rocland surface hardeners, Permaban armoured joints and Rinol resin flooring systems. They are among the most respected and durable products in the industry, so you can be confident your floor will be built to last. Rest assured that we always take responsibility, as one team, both for the quality of our projects and our after sale service.

Exclusive RCR systems

Every floor faces different demands. At RCR we specialise in creating floors perfectly matched to the building's needs. Our Applications companies offer you exclusive systems with innovative techniques designed for different industries (see pages 12-13, RCR flooring systems).

Strong management

RCR Industrial Flooring has a strong and supportive management structure which encourages and equips all RCR companies to operate as world-class businesses. At RCR, values run deep. You can be sure that every RCR member will work with integrity, putting the customer first, and striving for efficiency coupled with cost consciousness.

International reach

Wherever you are in the world, you will find an RCR Flooring Applications company close by.

Our heartland is in continental Europe, where the RCR group first began; but we are now rapidly expanding throughout South and Central America. We also have wholly-owned companies in Africa and partnerships in the Middle East.

We supplement our international presence through long-standing partnerships with like-minded specialist flooring contractors, in particular the WorldTechFloor® licensed applicators (see page 11 for more details).



Kia Motors, Rinol Mexico

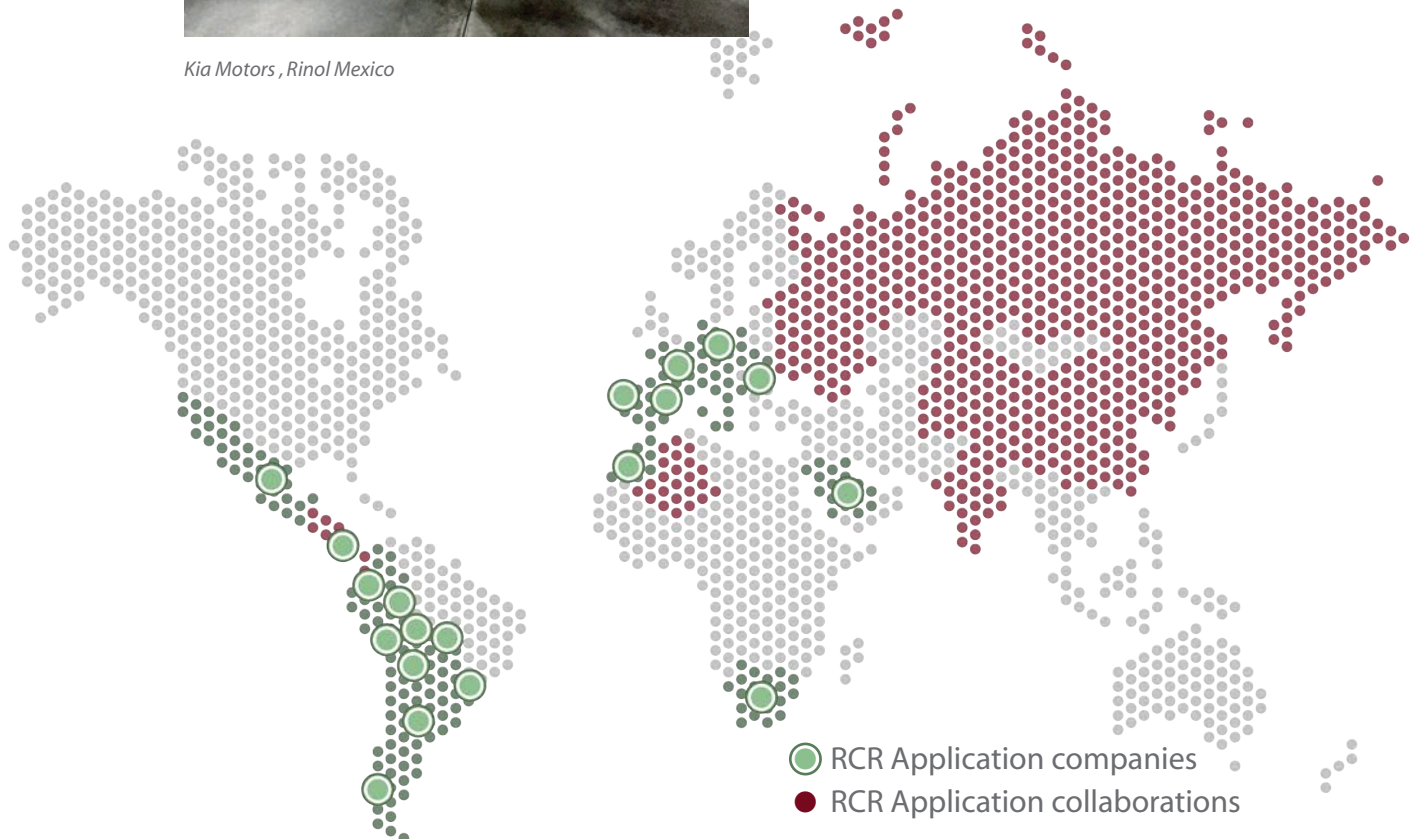
Our companies

Our RCR Applications companies vary greatly, both in terms of size and specialism. But what unites them is the constant drive to be the best in their field – be that concrete slabs, synthetic coatings or decorative floors – and the best in their territory.

Our managers have developed a deep market knowledge of each country in which we operate, and know how to adapt best corporate practices to each local market. As a Group we operate in several languages (including English, French, Spanish, German and Portuguese). We also have the capacity to form local project teams quickly by drawing the right mix of staff from Group companies, to ensure our international clients receive continuity of service anywhere in the world.

Our website gives more information about each of our Applications companies and their particular skills and sector experience.

Please visit www.rcrindustrialflooring.com to find out more.



RCR Flooring Applications Companies

Europe



PAVIMENTOS INDUSTRIAIS SA
Portugal



RINOL
Nº 1 en pisos Industriales
Rinol Rocland Suesco, Spain



j&b
průmyslové podlahy
J&B, Czech Republic



PLACEO
Placeo, France



RCR
Deco France
RCR Deco France



SILIDUR
Silidur, France




RINOL
SC Rinol Romania SRL




RCR
Flooring Applications
RCR International


Africa-Asia




RCR
Flooring Applications
RCR Saudi Arabia



PC FLOORS
South Africa
PC Floors, South Africa



A2S RINOL
A2S Rinol Rocland Morocco



RINOL
Rinolpavimenta Ecuador S.A.

Latin America



RINOL
Rinol Panamá S.A.



RINOL
Rinol Uruguay



RINOL
PAVIMENTA
Rinol Pavimenta, Peru



RINOL
Rinol Mexico



TEPCON
RINOL
Paraguay



RINOL
Rinol Bolivia



RINOL
HORMIPUL
Rinol Hormipul, Chile



RINOL
PISOCRETO
Rinol Pisocreto S.A.S Colombia

● Concrete Floors ● Coatings ● Decorative





Clients and projects

Numerous leading global companies across a range of sectors have chosen RCR for their floors, including:

Automotive

- Honda
- Hyundai
- Peugeot
- Michelin
- Iveco
- SNOP
- Caterpillar
- Seat VW

Retail

- WalMart
- Metro
- Primark
- Carrefour
- AKI
- Decathlon
- Tia
- LIDL

Logistics

- DHL
- Prologis
- Katoen Natie
- Gazeley
- FM Logistics
- Modis
- Transmeridian
- Panama Pacifico

Aerospace

- Airbus
- Safran
- ATCH
- Royal Air Maroc

Agro-Food industry

- Coca-Cola
- Nestlé
- Bimbo
- Campofrio
- VerAvic
- Frit Ravich
- Pepsico
- Dindy

Museum & Public

- MuCEM Marseille
- Maritime Museum Barcelona
- Guggenheim Bilbao
- Atocha Train Station
- City of Gardanne
- Bus depot Lima
- Stadium Johannesburg

Contractors

- Bouygues
- Vinci
- Sacyr
- FCC
- Strabag
- GSE
- Cubic 33

Our RCR companies are proud to realise mega projects for blue chip companies as well as supporting small and medium companies in their investments, for new buildings, extensions and renovation projects. We are a partner to our clients for the whole life of the building.

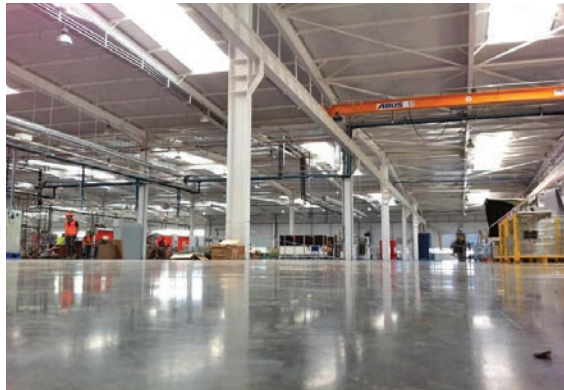
Client: SNOP Automotive

Location: Tangier Free Zone Morocco

Solution: RCR Conductil® sfrc

Products: Rocland Qualitop Millenium anthracite
Permaban AlphaJoint®

RCR Application company: A2S Rinol International



Client: Honda

Location: Santa-Perpetua, Spain

Solution: RCR Conductil® and Precision®

Products: Rocland Qualidur HP natural grey
Permaban AlphaJoint®
Dramix 3D steel fibres

RCR Application company: Rinol Suesco Spain



Client: Sibco Pepsi

Location: Jeddah Saudi Arabia

Solution: RCR Basetec® (clad racks)

Products: Dramix®4D, Geoconnect stainless

RCR Application company: RCR KSA (with ASIC)



Client: Oviedo Mall

Location: Medellín, Colombia

Solution: RCR MarketMall®

Products: Rinol Sealing

RCR Application company: Rinol Pisocreto, Colombia



Concrete Industrial Slabs

RCR Applications companies install over 7,000,000m² of industrial concrete flooring each year.

The right floor, with the right conception and execution, will ensure the client has a durable floor which is perfectly suited to the building's needs and protected from damage and repair costs.

Yet creating a concrete slab is no easy task. It takes design, planning, careful quality control, expert construction, and superior products.

RCR companies are involved at every stage, working in partnership with clients, structural engineers and main



FEDURO Panama

contractors to make sure every RCR floor is a success. So much so that we guarantee great results, and support this with a unique five-year warranty (see WorldTechFloor®).

With RCR you can be assured that we manage all supplier relationships, and take full responsibility for delivering the entire floor. An 'All In One' solution, from one expert company.

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Power trowelling by Placeo, France.



Hobymarket Hornbach, Prague, floor created by J&B

Design and planning

From the very start, our companies work alongside a project's structural engineer to ensure the design objectives can be achieved. This includes the understanding of the end user's processes, attending pre-works meetings and advising on practicalities such as the sub-base requirements, the position and type of joints, the floor thickness and planning the pour schedules.

We also advise to optimise the concrete mix, including use of admixtures, steel fibres for reinforcement and define required surface finishes. RCR Applications companies have the benefit of our RCR Flooring Services division on hand, should specialist project management support be needed.

Careful quality control

Our companies have excellent relationships with concrete suppliers, and work closely with them to ensure that the concrete mix is exactly as required, consistent, and delivered on time.

We also oversee and undertake concrete mix testing including maniability tests, mechanical performance, fibre dosage and homogeneity.

Once the floor is poured, we also measure floor flatness to ensure all our floors achieve internationally recognised standards, in line with the required specification, including superflat tolerances without any grinding.

Expert construction

Our companies have invested in high-tech equipment from leading brands, including the industry-respected Laserscreed® from Somero.

But our strength lies not just in good machinery, but in the skills of our highly-experienced operators.

Some floors also need to be finished by hand, and it is here that our staff demonstrate their outstanding competence time and again.

Superior products

By working with internationally respected products – including Permaban joints, Rocland surface hardeners, Rinol resin coating systems, and Bekaert steel fibres including the Dramix® 4D and 5D of the last generation, – we deliver high specification floors, constructed to endure.



IKEA Casablanca – A2S Rinol Morocco

Floor Coatings

RCR Applications companies are versatile, offering a wide choice of finishes and to ensure every floor is exactly right.

Fresh on fresh slurry

Roland surface hardeners can be applied as a slurry on top of fresh concrete. This creates a hard, enduring surface, monolithic with the slab, giving an outstanding durability and amazing appearance when applied with colour. Extra shine can be obtained thanks to the RCR DRT light polishing technique.



Grand Ouest hospital, Beaurepaire, France. Rocland Qualitop finish. Floor created by Placeo.

Rinol Resin Coating Systems

A resin floor offers many benefits – durability, chemical resistance, easy cleaning, colour and style. The range of application covers many industries, such as automotive, pharmaceutical, food and beverage, electronics and also retail and even outside parking. Specialist systems are available for specific properties as conductive or dissipative surfaces, freezer or hygienic floors.

RCR companies master the application of the popular Rinol systems such as Rinol Standard, Allrounder, Sealing or Exquisite which have the benefits of Leed certificates



Europac Portugal, created by Asic Pavimentos Industriais

(Low emission). These multi-layer systems, carefully applied, ensure the best possible finish for the floor. Uniquely, RCR Application companies offer investors a complete, integrated service - from the execution of the concrete slab, to surface preparation, and applying resin systems. This single point of contact ensures no dilution of responsibilities.

Suelastic Superflat Mortar

The Suelastic finishing mortar is specially formulated for superflat floors, providing the smooth finish necessary for swift, efficient vehicle operations. It is resistant to impact, abrasion, solvents and oils, so is well suited to heavy duty industrial and engineering applications.

Suelastic can also become a perfect solution for renovation works or to realise a very thin layer on top of a concrete slab.

Indurit® Screed

RCR application companies have also always a solution even in harsh environments. For environments which may be subject to moisture and chemicals, they can apply Indurit, which is a heavy duty polymer cement screed. This type of finishing is well suited to the rigours of food manufacturing.

Decorative Concrete Floors

Concrete floors can be harmoniously integrated in the urban space. Our awarded experts and our internal laboratory can support the creativity of architects and elaborate an infinite range of decorative floors. RCR application companies, like RCR Deco master various techniques bringing a wide variety of options. Systems like UrbaDeco can be combined for impressive effects. Our innovative solution BioDecoSol® is a pervious



External pavement, La Lègue, Port-de-Bouc, France. Created by Provence Impressions - RCR Deco.

concrete which is designed for light traffic with a Sensitivity for the environment. Internally, concrete can be waxed, polished or chemically treated to create contemporary floors for private or public buildings.

WorldTechFloor® worldtechfloor® *Built on confidence*

WorldTechFloor® is a strategic alliance of industrial flooring specialists. It provides an integrated design and construction package, anywhere in the world.

The RCR Flooring Applications companies are part of the network of licensed flooring applicators worldwide.

RCR companies Rocland, Permaban and Rinol contribute with their product lines; as does RCR partner Bekaert with its Dramix® fibres. Laserscreed® manufacturer Somero ensures precision in the floor's finish.

Reputed consultants Monofloor provide technical advice and training to ensure a smooth execution. They also undertake a thorough survey and valuation of the final result, and provide a project report for the owner.

The strength of the partnership, and the knowledge of the participants, means that WorldTechFloor® can confidently offer an 'All In One' solution unique five-year warranty to investors.



Walmart, Costa Rica, application ProPiso.



RCR Flooring Systems

RCR has created exclusive systems which offer optimised solutions for various building uses or industries.

The systems provide a framework to help find the right solutions for the client's needs – yet within each system there is still flexibility and choice.

Even if a project has a unique, purpose-built specification, it will still benefit from the technology transfer of the proven systems used by RCR Applications companies around the world.

In each case, flooring design and engineering is supported by Monofloor, our specialist international RCR Flooring Services partner.

BLUE SYSTEMS: Technique

GREEN SYSTEMS: Market segments



Conductil sfer®

Our very popular jointless flooring system. Removing saw-cut joints reduces future joint maintenance issues, and increases the versatility of the building. Ideal for logistics with intense traffic.

Products options: steel fibres, joints Permaban Signature or Eclipse, surface hardeners Rocland Qualitop or Qualidur.



Conductil vrs

Innovative system without minimised joints, even in special shapes (strips, corners) or external floors. No curling. Special concrete with volumetric retraction stability.

Products options: chemical admixture RCR vrs®, steel fibres, joints Permaban Signature® or Eclipse, surface hardeners Rocland Qualitop.



Silifibre®

For production of logistics with light traffic, this is an economic solution. The use of steel fibres allows an optimisation of design and speed of execution. In combination with performance surface hardeners and armoured joints, the system is providing a robust solution.

Products options: Steel fibres, Permaban joints (Eclipse or AlphaJoint), Rocland Qualidur or Qualitop.



Piletec®

This is an innovative solution for areas with geotechnical problems. A cheaper and effective alternative to traditional solutions of floors on piles with professional indemnity insurance.

Products options: Steel fibre only Dramix®5D or steel fibre 4D + localmesh over piles or combined solution (4D + mesh). Steel joints Permaban; structural stainless dowels Geoconnect; Rocland Qualidur or Qualitop hardeners. Design and dosage certification: Monofloor.



Adapta®

This system is mainly used for renovation and repair, and can be also a solution in new buildings for a thin concrete overlay <10 cm.

It comes with a warranty that the floor will perform as a monolithic slab and will offer performance and durability.

Products options: Steel fibres or macro-plastic fibres; Rinol primer; micro concrete or Rinol Suelastic; Joints Permaban BetaEdge. Rocland Qualidur or Qualitop hardeners.



Tensile®

This solution for post-tensioned floors ensures optimum slab thickness, and a crack-free solution. This system requires careful engineering, undertaken by our RCR Flooring Services experts.



Precision®

Ideal for high storage areas (VNA) where small variances in the floor's surface can effect the MHE performance, in new or renovated buildings, where demanding standards of flatness is required. Created to match the tightest international standards (TR34, DIN, ASTM...), Precision® combines productivity and accuracy, without corrective grinding.

Products options: steel fibres and/or steel mesh; steel joints Signature; Rocland Qualitop Millenium or Rinol Suelastic Flatness surveys: Monofloor.



Sportive®

Designed for sport arenas and stadiums, Sportive® offers special leveling properties for ice rinks, tennis courts, running tracks... Colour can be added when Sportive® is to be used as the final surface, or it provides a perfect base for specialist industrial surfaces.



Basetec®

Ideal for clad rack buildings, this system optimises the slab thickness while controlling costs, providing an environmentally-conscious solution. Rigorous structural calculations and product selection ensure high safety at SLS and ULS.

Products options: Dramix®5D steel fibres; structural stainless dowels Geoconnect; Surface hardener Qualiroc Design and dosage certification: Monofloor.



Frost®

Designed for cold stores – both positive and negative – this system offers comprehensive floor design and engineering, along with product choices for different temperature areas. Isolation areas can also be incorporated, as can water evacuation engineering if needed.

Products options: Steel fibres and local steel reinforcement; Permaban Alphaslide; Rocland Qualitop Millenium; Rinol Suelastic or Rinol Safety.



Ecstock®

This heavy duty system is designed for ports and waste management facilities. Resistant to marine environment and important temperature gradients, it can be used for external and partially sheltered areas. Design can include a maximum crack width to prevent ecological hazards. A range of wear and impact resistant coatings are available, depending on the intended application and the chemical resistance required.

Products options: Steel fibres Dramix®4D; Permaban Signature or BetaExpansion; Rocland Qualitop Metal.



Industries®

This hard-working, highly durable surface is ideal for industrial applications. Able to withstand impact and heavy loads, it can also respond to various requirements (chemical resistance, anti-skid, dust free) with the possible addition of a synthetic coating. Its high specification adds longevity thus reducing long-term floor maintenance and repair costs.

Products options: Steel fibres and/or steel mesh; Permaban joints Signature or Eclipse; Rocland Qualitop Titanium or Metal hardeners in various colours; Rinol Allrounder or Standard.



Agromark®

This system has been specifically created for food production and agricultural use, where durability, safety and hygiene are paramount. Anti-skid and easy-to-clean floor coatings can be applied to cope with the production process.

Products options: Steel or macroplastic fibres; Permaban Eclipse or AlphaJoint CSS; Rinol Indurit, RinolCrete or Rinol Safety.



Master Mall®

Master Mall adds durability and style to internal shopping areas. Easy to maintain with a long lasting finish, this system replaces any type of tiles or industrial coating and keep the floor looking smart and attractive for years, with outstanding reflective properties. It saves long-term repair and floor replacement issues, without adding costs.

Products options: Steel fibres; Permaban Eclipse; Rocland Qualitop Master Colour in slurry or dry on fresh topping, Rinol DRT light polish.



Dispersive®

For industries or environments requiring anti-static properties, this system has been developed to provide a range of performance, from conductive to dissipative. It is recommended for storage of explosive products, in electronics industry, in surgical theatres... It incorporates a specially engineered earth leakage connection for electrical conduction. Measurement of performance can be done by Monofloor, as well as repolarisation of old floors.

Products options: Steel fibres and steel mesh; Permaban Eclipse; Rocland Qualitop Millenium/Metal or Rinol Conductive/Rinol Etec.



Master®

Elected by architects of international reputation, Master® adds colour and durability to design floors in museums and prestigious buildings. Numerous product choices ensure a stylish, fashionable and unique result.

Products options: Steel fibres; Permaban AlphaJoint CSS or Eclipse; Rocland Qualitop Master Colour (fresh on fresh slurry); Rinol Exquisit or Design; Rinol DRT.

Created for you

Whether you're a client looking for long-term value from your building; or a property developer creating flexible, cost-effective rental space – we are here to help you.

For contractors and engineers we provide specialist support and guidance to ensure the best results for clients.

And of course we deliver superb floors – expertly, professionally, and punctually.

This brochure has given just a flavour of what we could do for you. But the most important thing to know is that we believe in listening and putting your needs first. So get in touch with us, and we'll be happy to discuss your next project with you.

Find out more

You can find out more about RCR at our website:

www.rcrindustrialflooring.com.

There you can also find summary information and contact details for each of our Applications companies.



Alternatively, email us at

info@rcrindustrialflooring.com

for more information



*Surface hardener application, by Placeo.
Topping spreader Somero.*

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