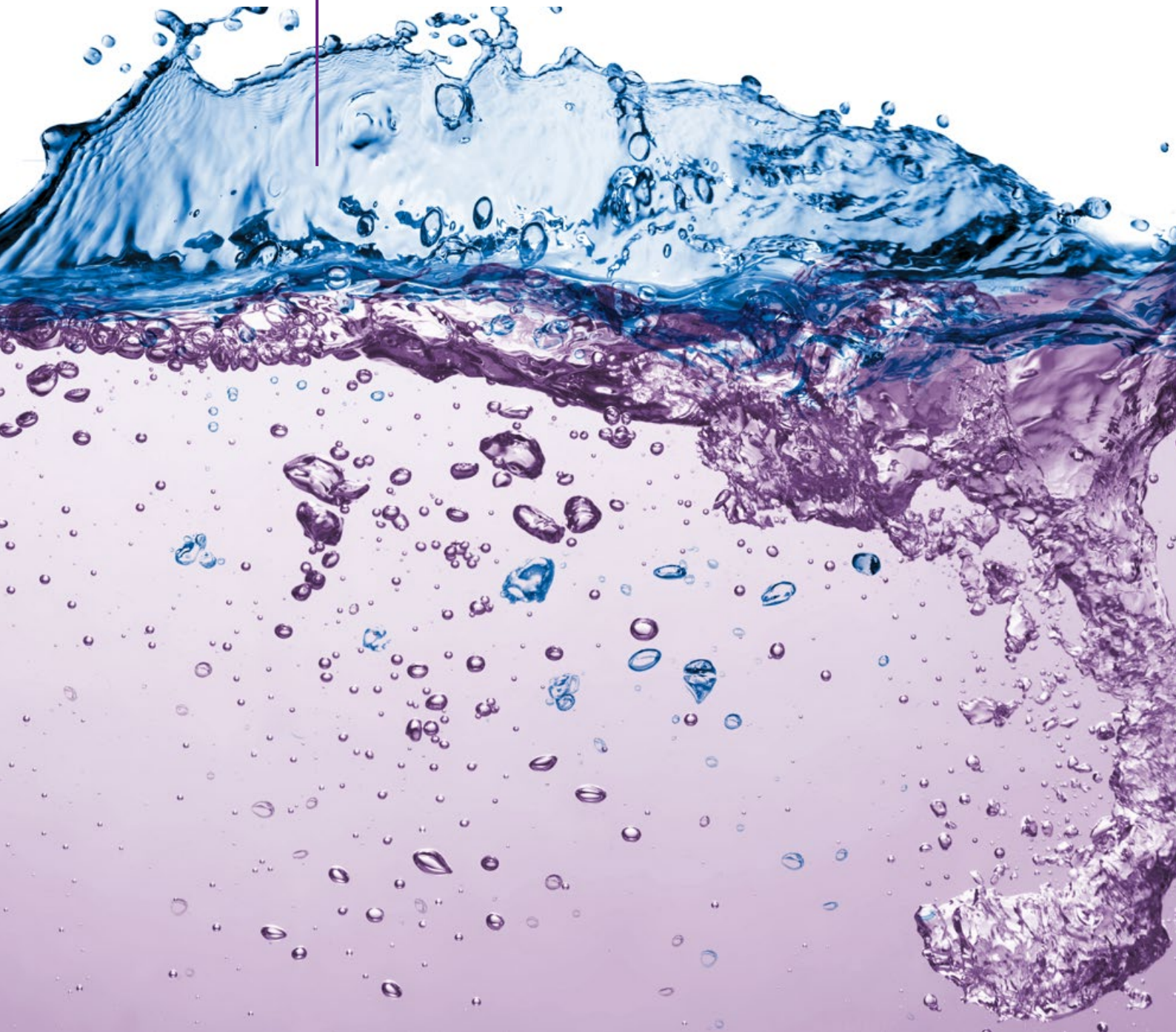
rascor®

Pioneers in Structural Waterproofing

Since 1965



VISION

For over 60 years, RASCOR has established itself as a globally active company specialising in waterproofing of underground structures. Through continuous development, we have secured a strong position in the international market. As a reliable solutions provider, we convince our customers with quality, flexibility, and the constant adaptation to new challenges. These values will continue to be inseparably associated with the name RASCOR in the future.
Our goal is to secure and expand our market position through continuous innovation and healthy expansion, making RASCOR the number one provider of products and services in the field of structural waterproofing.

MISSION STATEMENT

SATISFACTION AND INDIVIDUALISATION
Understanding the needs and requirements of our clients and project partners and achieving the best results with our customised solutions motivates us! No project is too small or too big for us.

DYNAMIC AND RESPONSIBLE
Our internationally established team is ambitious, dynamic, and efficient. Continuous changes and the resulting adjustments are not unusual for us. Our employees are the key to success. It is important to us that all employees can continuously develop through targeted support and training. This forms the foundation for competent and responsible work as well as creative problem-solving for all challenges our clients face.

SWISSNESS
As a Swiss company, we place great value on precision, reliability, and quality. These values are reflected in all our projects. Our commitment to excellence and innovation is inspired by the Swiss tradition of craftsmanship and engineering. We are proud to carry on this tradition and combine it with the latest technology to provide tailor-made solutions for our customers worldwide.

HISTORY

1963 First practical injection tests with self-developed acrylic resin by René P. Schmid.

1965 Start of industrial production of acrylic-based injection products and founding of the first corporation.

1973 Expansion abroad: Entry into the German market.

1982 Founding of the first independent engineering company for waterproofing planning in the new construction sector.

1984 Relocation from the founding site Otelfingen, Switzerland to Oberweningen.

1985 Successful implementation of the first «White Tank»concept (comprehensive guaranteed waterproofing concept with surface guarantee).

1997 Expansion into Asia.

1999 Introduction of the ISO 9001 quality management system.

2004 Introduction of the Product Group RASCOtight (hydrophilic products).

2005 Relocation to the current location in Steinmaur. Introduction of RASCOflex PU products without phthalates and solvents.

2006 First project using RASCOR products in the Middle East: New Doha International Airport, Qatar.

2007 RASCOR ends its franchise system and enters the free market for product sales.

2009 Management handover to the second generation. Establishment of the own contracting company in Savona, Italy.

2010 RASCOflex injection resins tested according to EN1504-5.

2012 Establishment of RASCOR's own contracting company in Ireland.

2017 First PU-cement hybrid system on the market; market launch of RASCOhybrid HMS317. Establishment of RASCOR's own contracting company in London, UK.

2020 Transition of ownership to the second generation.

2021 CE registration for RASCOflex AY acrylic resins.

2022 Market launch of the ballast bonding material RASCOrail RBP320.

2023 Market maturity of RASCOliner SL623 for sewer rehabilitation.

2024 **Market launch of the latest acrylic resin development RASCOflex AY223. Achievement of the ISO14001 environmental certification.**

René P. Schmid

As the first in the industry, an acrylate for injections was developed by René P. Schmid

This development was not only a milestone in material technology but also set an important course for the future of the waterproofing business. After just four years, the demand had grown so much that RASCOR transitioned from contract manufacturing to its own production. In the following years, the injection technology was further developed alongside rigid waterproofing.
By 1977, the 1000th building was successfully waterproofed using injections. To meet the growing demand from abroad, René P. Schmid established the first foreign companies for building protection and construction restoration in Germany and Austria in 1972.

A unique achievement for the entire company were the joint ventures in Japan and Hong Kong. For the first time, waterproofing work was carried out by third parties while RASCOR maintained leadership and supervision. This experience laid the foundation for a distribution system through certified partners.
In the 1980s, the need to protect structures from water early in the planning phase increased. RASCOR developed solutions that enabled economical and rapid waterproofing using injections during the construction of the structure.

Future

Pioneers in the past, pioneers today, and pioneers in the future

RASCOR has always been dedicated to waterproofing and has evolved into a true specialist over six decades. Even in the early days, RASCOR was innovative, continuously developing new products and waterproofing solutions, and striving to improve the status quo. Today, RASCOR invests significant effort in further developing and optimising products, techniques, and solutions. The success formula from the founding years — dividing the RASCOR Group into two divisions, «Production and Trading of Waterproofing Materials» and «Execution and Services of Waterproofed Structures» — will continue to be promoted in the future. The best development laboratory and source of ideas is the construction site itself! RASCOR will continue to focus on developing new products, optimising existing ones, and providing tailored waterproofing solutions. Expanding into new, emerging markets will be a crucial aspect of our strategic direction.

RASCOR stands for durability, quality, flexibility, and continuous improvement – always striving to reach the top as the market leader in structural waterproofing.

RUBEN SCHMID
CEO RASCOR Group

At RASCOR, we place great emphasis on outstanding execution and quality assurance in every project. Our customised waterproofing solutions,
such as the RASCOtank system, provide reliable protection and long-lasting performance. Our commitment to quality ensures the success of each project from design to completion.

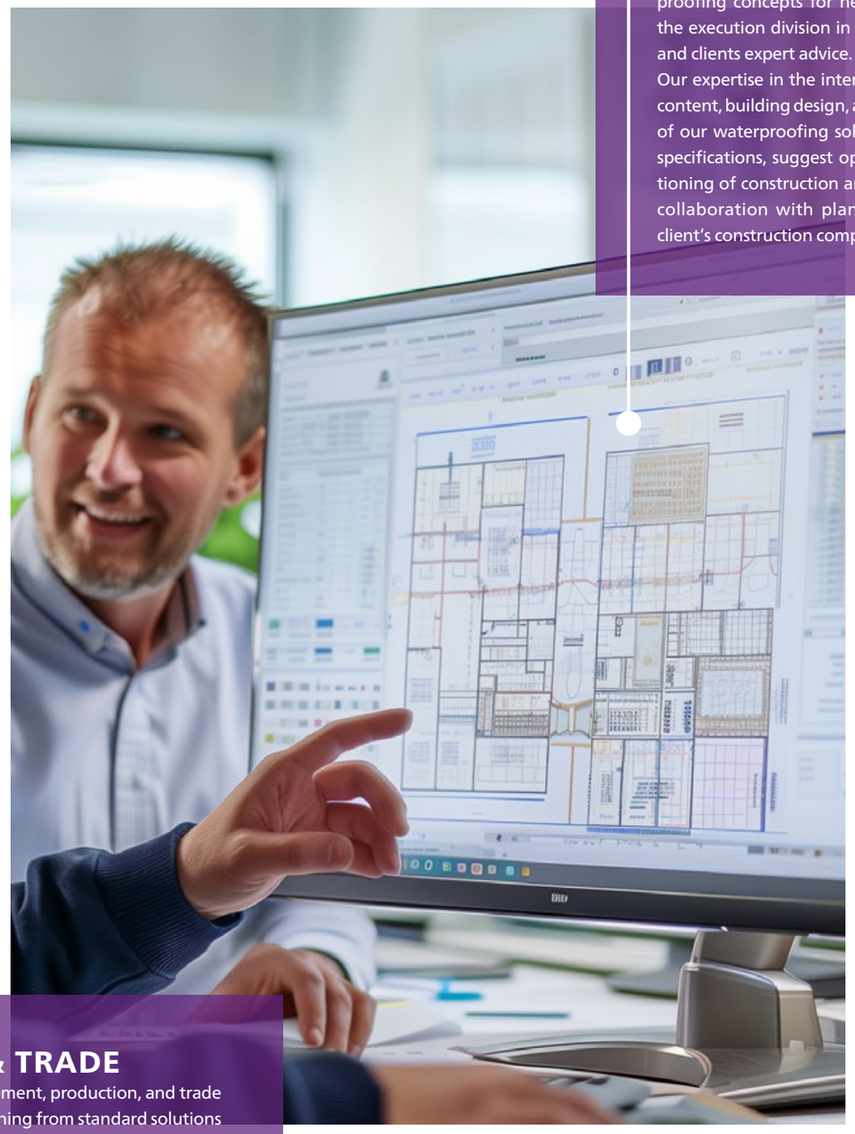
NIALL PRUNTY
Director RASCOR Ireland Ltd. & RASCOR UK Ltd.

RASCOR GROUP

DEVELOPMENT, PRODUCTION & TRADE

RASCOR is a globally active company specialising in the development, production, and trade of waterproofing products. Our extensive range includes everything from standard solutions to customised, sophisticated systems. Thanks to our expertise, we can also respond to individual customer requirements.

Our production sites in Switzerland and Germany ensure consistently high quality. We also place great emphasis on flexibility: „Just-in-time" deliveries are our standard.



ENGINEERING

The RASCOR engineering team, consisting of qualified engineers and draughtsmen, develops customised RASCOtank waterproofing concepts for new construction projects. We support the execution division in project acquisition and offer planners and clients expert advice.

Our expertise in the interplay of concrete types, reinforcement content, building design, and post-treatment ensures the success of our waterproofing solutions. Our engineers review planner specifications, suggest optimisations, and coordinate the positioning of construction and predetermined crack joints in close collaboration with planners, structural engineers, and the client's construction companies.

EXECUTION

The expertise of our contracting companies covers across the entire range of preventive and rehabilitative waterproofing in high-rise, underground, and civil engineering. The «RASCOR White Tank System» offers all parties involved a time- and cost-saving professional waterproofing solution with guaranteed watertightness, supported by competent specialists. Preventive waterproofing means perfection in detail. RASCOR offers the ideal system for every challenge , whether with RASCOtec Injection Systems or RASCOtight Hydrophilic Systems. Even for structures with no or minimal waterproofing, our specialists guarantee 100% watertightness afterward. Once the remediation concept is established, the structure is quickly and effectively waterproofed using the appropriate products.

At RASCOR, our customers are at the center of everything we do. Our products cover a wide range of waterproofing and stabilisation solutions, and we support you from the initial consultation to the successful implementation on-site. With tailored solutions, project-specific support, and comprehensive training, we ensure that your construction projects are completed efficiently and reliably. Our commitment does not end with the delivery of materials – we are there to ensure the success of your projects.

NORBU LIEBETRAU
Head of Sales, RASCOR International AG

RASCOR has been setting standards in tunneling and special foundation engineering for decades. Our innovative waterproofing systems ensure the highest reliability and durability. With customised solutions and comprehensive consulting, we successfully implement even the most complex construction projects.

CHRISTIAN WÄHRISCH
Technical Managing Director of Tunneling and Special Civil Engineering
Managing Director, RASCOR Construction Chemicals GmbH

EXPERTISE & SOLUTIONS

INJECTION AND HIDROPHILIC SYSTEMS

The RASCOtec Injection Systems consist mainly of environmentally friendly HDPE plastic and are embedded into the joint areas before concreting. These systems allow for fast, economical, and controlled distribution of injection materials within the joint cross-section, ensuring permanent waterproofing. A special feature of the RASCOtec Injection Systems is their weather-independent applicability. Additionally, the RASCOtec Crack Inducer system offers controlled crack formation in concrete, enabling unrestricted large concrete casting stages, maximising construction progress, and still ensuring a waterproof structure.

The RASCOtight Hydrophilic Systems consist of self-swelling sealing profiles that are glued into the construction joints before the next concreting stage begins. For faster installation on smooth surfaces, the RASCOtight Hydrophilic Strips with pre-applied adhesive are ideal, eliminating the need for additional mounting adhesive. The RASCOtight Hydrophilic Channel combines the advantages of self-swelling systems and RASCOtec Injection Systems to provide even more effective waterproofing. Both systems are developed to the highest technical standards and offer field-proven detailed solutions for durable and reliable waterproofing.

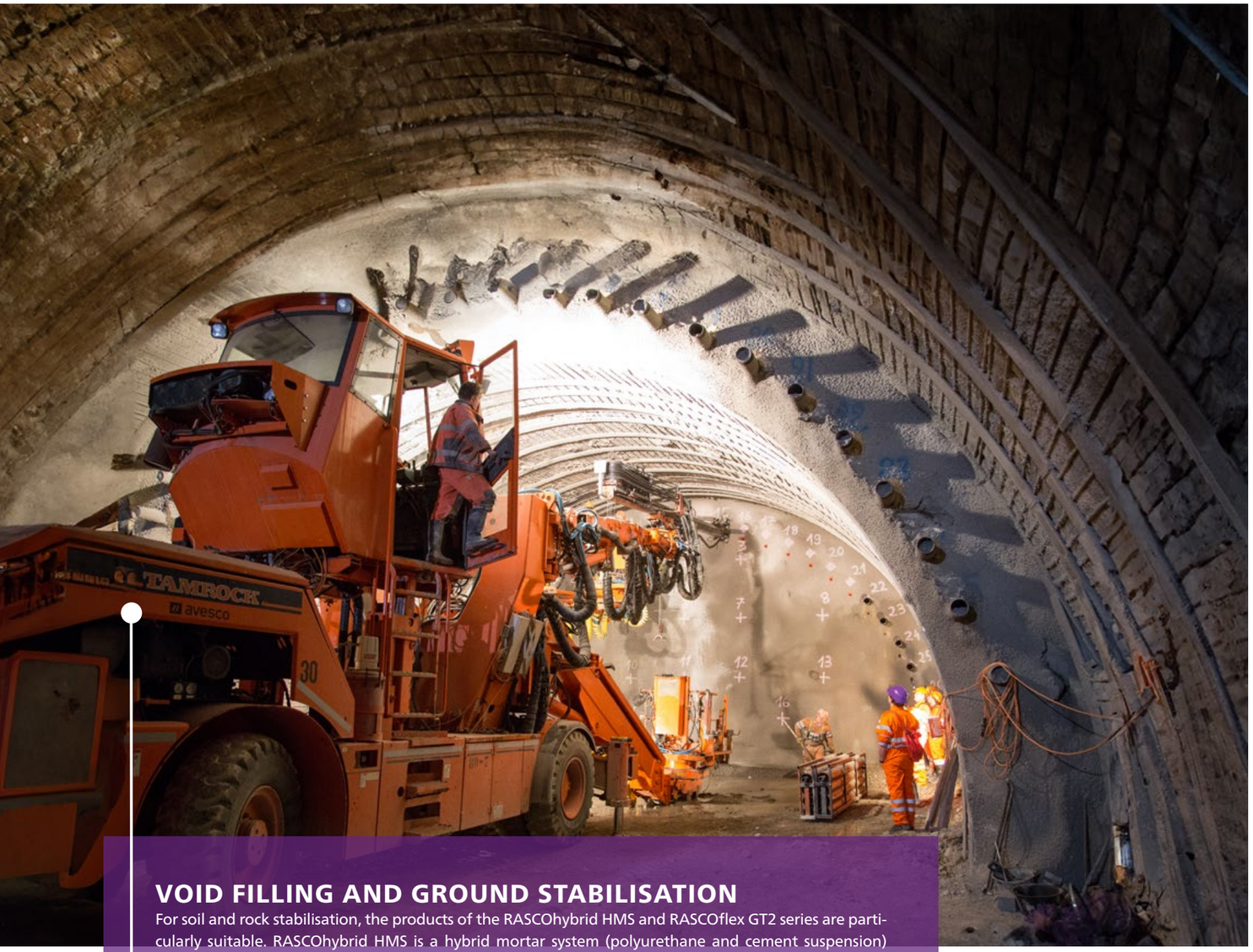
INJECTION PRODUCTS

The chemically reactive injection products form the core of RASCOR's product range. The product groups include acrylate gels, polyurethanes, urea-silicates, and silicas, covering a wide range of waterproofing requirements. RASCOflex AY acrylates were developed 60 years ago by RASCOR and stand out due to their swelling properties, flexibility on-site, high penetration characteristics thanks to their extremely low viscosity, high resistance to water pressure, and above all, their guaranteed long-lasting performance in the structure.

With RASCOflex PU polyurethanes, RASCOR offers a wide selection of various elastic, form-fitting, and foamed injection resins for the sealing of cracks, joints, cavities, and defects of all kinds. The selection and customisability of the PU systems with additives leave no customer wishes unfulfilled.

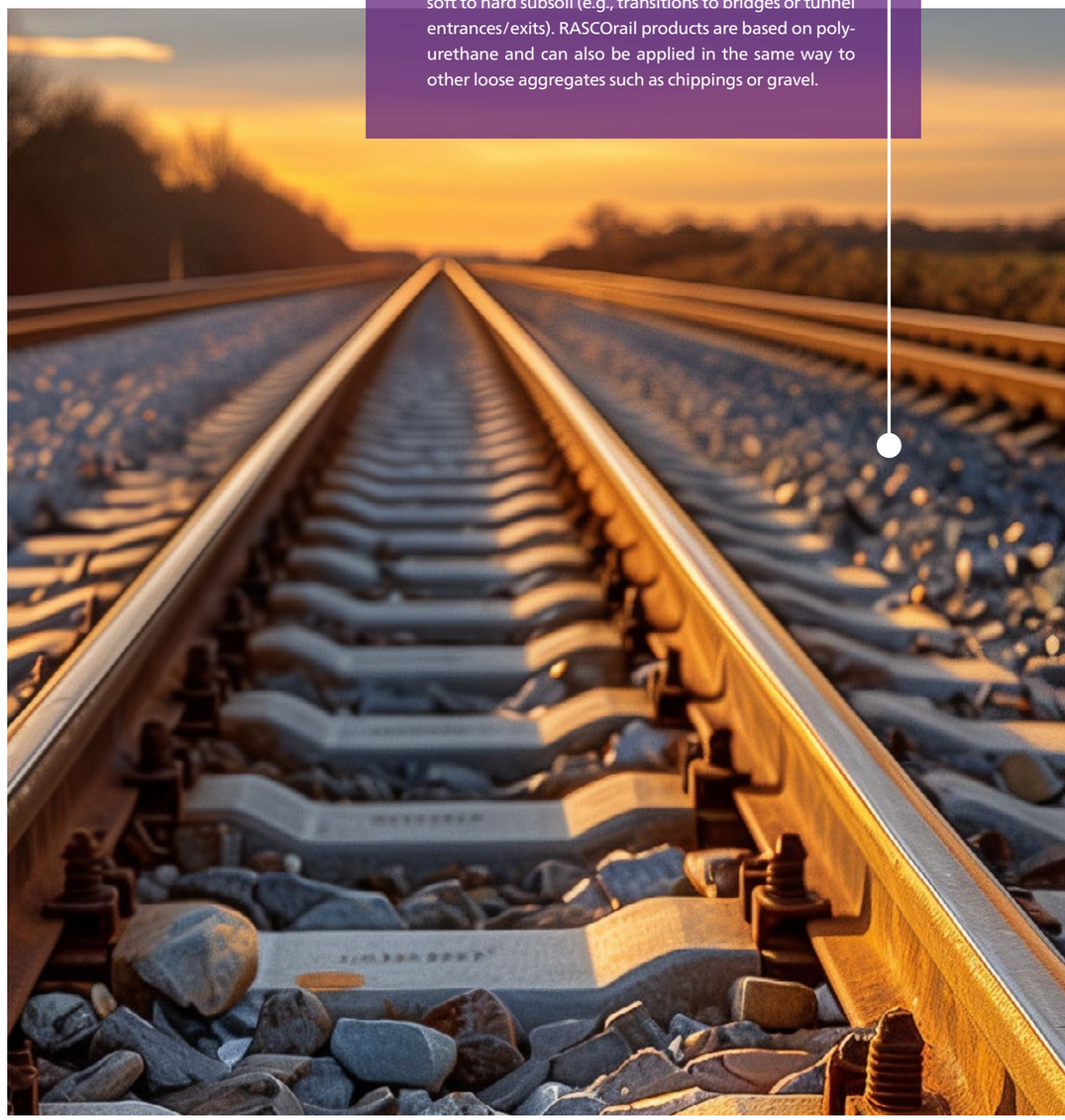
The RASCOflex US urea-silicates and RASCOflex GT2 series are water glass-based reactive injection products. RASCOflex US products are successfully used for bonding, stabilising, and filling unstable construction and rock structures in dry environments and even underwater. The RASCOflex GT2 products are primarily used for compacting, stabilising, and strengthening unstable subsoils.

EXPERTISE & SOLUTIONS



VOID FILLING AND GROUND STABILISATION

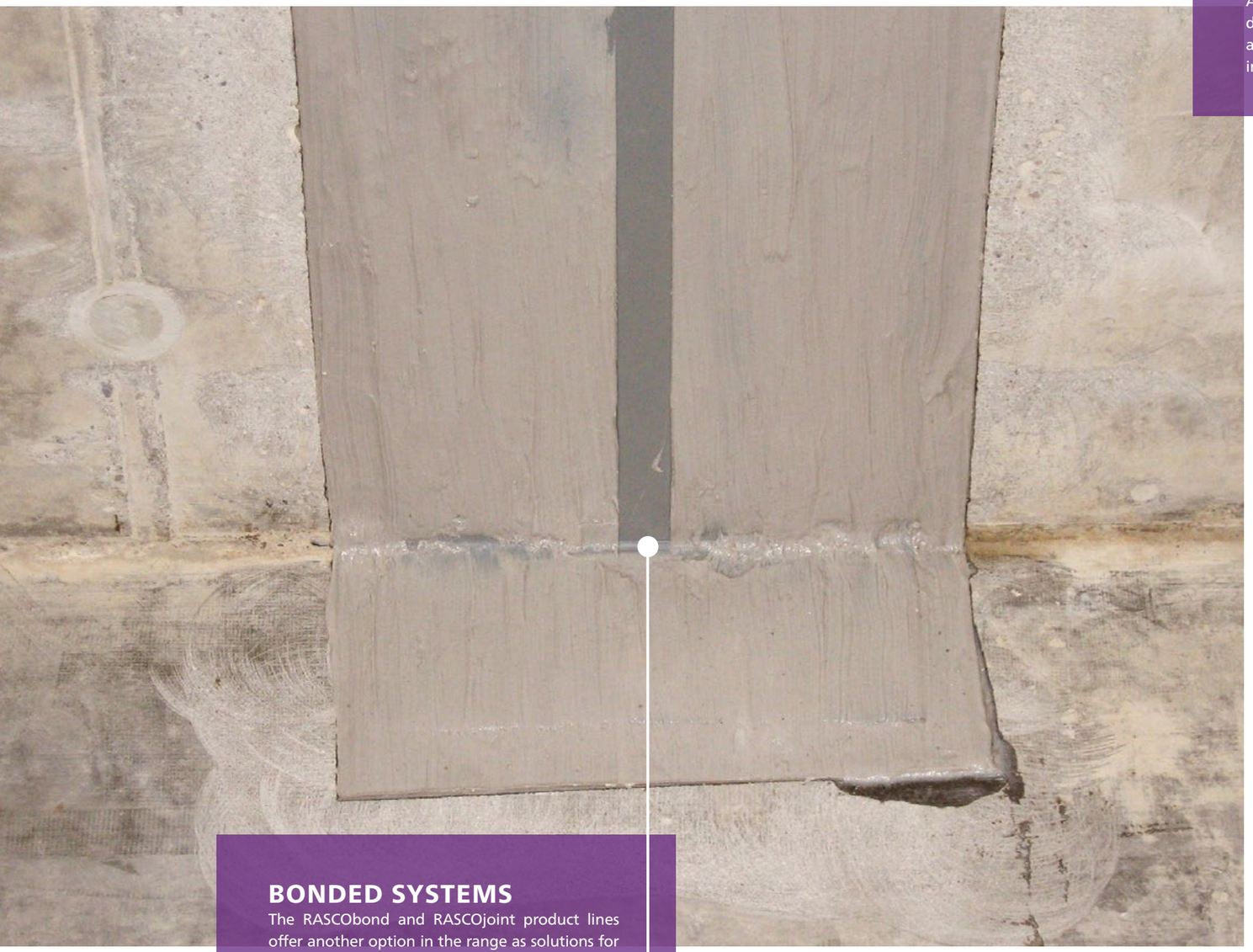
For soil and rock stabilisation, the products of the RASCOhybrid HMS and RASCOflex GT2 series are particularly suitable. RASCOhybrid HMS is a hybrid mortar system (polyurethane and cement suspension) designed for large-scale use in stabilising rock or other loose aggregates with high compressive strength requirements. The colloidal silica of the RASCOflex GT2 series is specifically designed for the permanent ground stabilisation of fine-grained soils and substrates based on natural raw materials.



BALLAST BONDING

RASCOrail products, unlike other injection materials, are applied over the desired area using a pouring or spray method. For rail ballast, the system prevents the slippage of the track bed during construction measures or extends the service life of the track bed at transitions from soft to hard subsoil (e.g., transitions to bridges or tunnel entrances/exits). RASCOrail products are based on polyurethane and can also be applied in the same way to other loose aggregates such as chippings or gravel.

EXPERTISE & SOLUTIONS



BONDED SYSTEMS

The RASCObond and RASCOjoint product lines offer another option in the range as solutions for surface sealing of cracks and joints in buildings and structures. RASCObond epoxy adhesives and joint tapes can be used alone or in combination with other waterproofing solutions as additional protection against high water pressure.

MACHINES AND ACCESSORIES

RASCOpump machines are specially tested with RASCOR injection materials and can be ordered in a 1-, 2-, or 3-component configuration. Pressure and quantity can be continuously adjusted on each of these machines.
Accessories and spare parts – made of high-quality and durable materials such as packers, mixing units, cleaning, and repair kits – complete the range of RASCOpump injection machines.

Our engineering team supports every project from planning to implementation, ensuring the highest quality and reliability. With a flexible system and a team of specialists, we guarantee 100% waterproofing even in the case of short-term changes and ensure the agreed quality of execution until project completion and beyond.

ALEKSANDER KIPRIJANOVSKI
Senior Design Engineer RASCOR Ireland Ltd. & RASCOR UK Ltd.

rascor® REFERENCES WORLDWIDE

Deep Tunnel
Storm Water System
Dubai

Harbor Mole
Helgoland

Jade-Weser-Port Deep-Sea Port
Wilhelmshaven

Extension of the Iulius Shopping Center
Timisoara

Freshwater Towers
Luxembourg

SUSTAINABILITY & ECOLOGY

OUR COMMITMENT TO THE ENVIRONMENT

RASCOR is committed to minimising its ecological footprint. This is reflected in our product development and work processes. We rely on resource-saving manufacturing methods and materials that are environmentally friendly and sustainable.

CO^2 REDUCTION AND ECO-FRIENDLY MOBILITY

We invest in renewing our vehicle fleet to use lower-emission vehicles and continuously optimise our logistics routes. This actively contributes to the reduction of CO^2 emissions.

SUSTAINABLE PRODUCT DEVELOPMENT

Our research and development department is constantly searching for more environmentally friendly raw materials and technologies. The goal is to create products that are both effective and environmentally compatible.

CONTRIBUTION TO GREEN INFRASTRUCTURE

Our specialisation in waterproofing solutions for tunnel construction, water structures, and specialised high- and civil engineering allows us to support projects that strengthen environmentally conscious and sustainable infrastructure.

CERTIFICATIONS AND ENVIRONMENTAL STANDARDS

We strive to design our products and production facilities according to the latest environmental standards and certifications. This ensures that we not only operate efficiently but also responsibly towards nature and society.

LONG-TERM VISION

Our long-term goal is to be a leader in the development of environmentally sustainable waterproofing systems. We believe that the best way to achieve this is through innovation, continuous improvement, and a strong commitment to the environment.

OUR KEY STRATEGIES FOR ACHIEVING OUR ENVIRONMENTAL GOALS:

- Reduction of waste through continuous analysis of operational processes
- Investment in renewable energy for production facilities
- Strong promotion of the development of more environmentally friendly products
- Obtaining environmental and ecology certifications for our products and production sites

MEMBERSHIPS

- International Standards: ISO TC 71 SC 7 (Concrete)
- European Standards: CEN TC 104 SC 8 (EN 1504 Concrete)
- SIA (Swiss Society of Engineers and Architects)
- ITA-AITES (International Tunneling Association)
- STUVA (Underground Construction)
- ICOLD (International Commission on Large Dams)
- WTA (Scientific-Technical Association)
- VCI (Association of the Chemical Industry Germany and Europe)
- German Construction Chemicals Association e.V.
- ÖVBB (Austrian Association for Concrete and Construction Chemistry)
- VSB (Association of Swiss Concrete Technologists)
- VBK (Swiss Association of Construction Protection and Plastics Technology)
- DAfStb (German Committee for Structural Concrete)

Let’s Work Together –
Your Partner for Sustainable Waterproofing.

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