





You have the idea, the plan and the know-how for the project. We provide innovation, expertise and the right products to help you find sustainable solutions for your construction project.

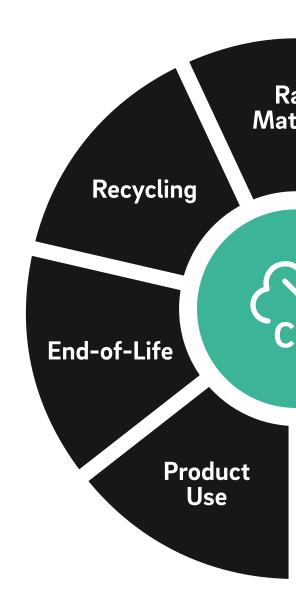
Let's shape the future together and make the world a little better. Take it up a gear with us.

REHAU Building Solutions is your perfect partner for building technology or civil engineering.

#nextlevelbuilding

We take full responsibility from the very start

Let's build the world a little better. As a family business, we have always valued sustainably and taken responsibility for future generations.



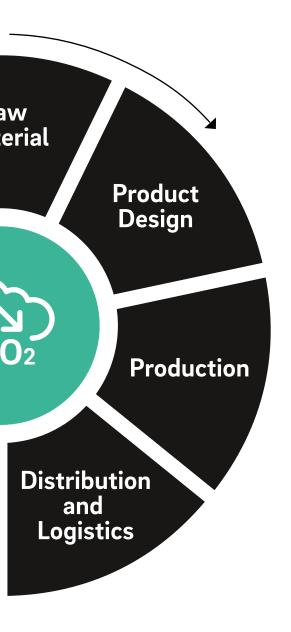
The goals of our sustainability strategy

By 2025

By 2035

20% recycled material in our products

Climate-neutra production





Dr. Roger SchönbornHead of Division Building Solutions
Member of the Industries Executive Board

"We work hard every day to make an important contribution to protecting our planet—this is our duty towards our children, grandchildren and future generations."

The focus of our sustainability activities



 CO_2

Promoting the circular economy

Reducing CO₂ emissions

We help you take building technology to the next level.

Let's shape the future together. With integrated sustainable solutions.

All things water

Our solutions for plumbing and heating

from p. 08

All things temperature control

Our solutions for heating, cooling and ventilation

from p. 20

Everything for industrial applications

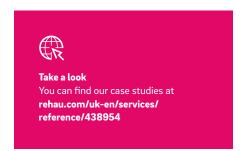
Our pipe system for industrial construction

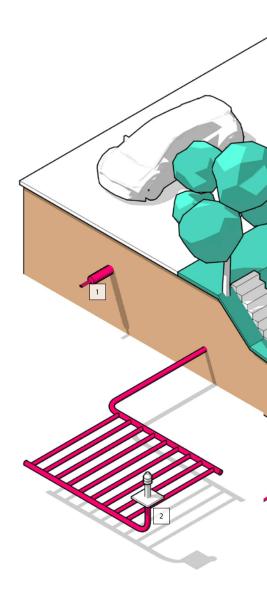
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Consulting & services

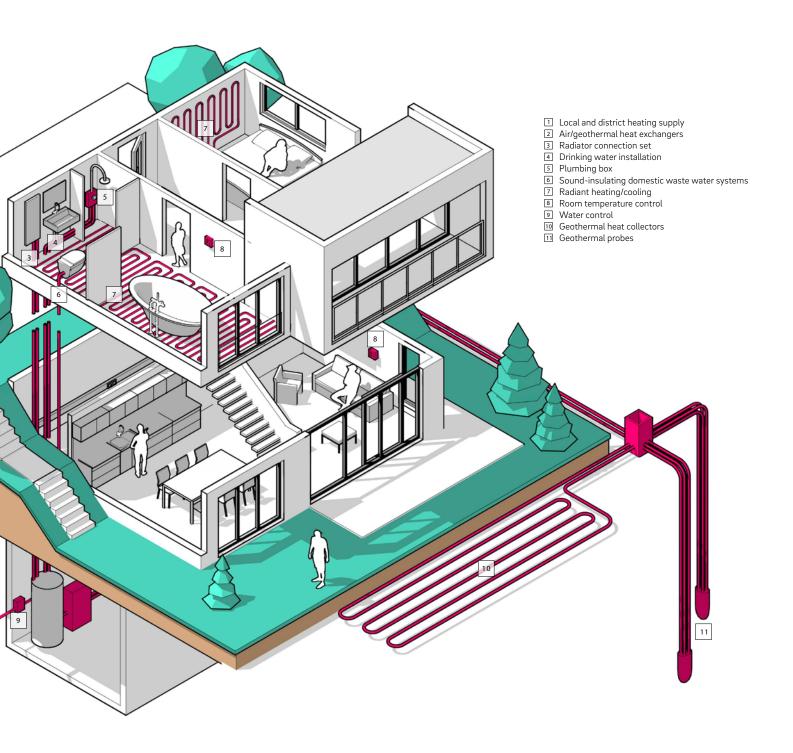
Our innovative services

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07







All things water

Our solutions for plumbing and heating

RAUTITAN

The universal plumbing system for water and heat

RAUPIANO PLUS

Systematic sound insulation

RAUTOOL installation tool

Installation made easy

Plumbing boxes

Plumbing technology in a box

RE.GUARD 2.0

Smart water control

RAUTITAN: The universal system for water and heat

With RAUTITAN, you are perfectly equipped for drinking water installations and radiator connections. RAUTITAN creates a permanently sealed joint with the pipe, fitting and compression sleeve — all without using an O-ring.

Proven safety

Whether you're installing supply lines for new builds, renovations, single-family homes or commercial complexes: RAUTITAN connections are reliably sealed and therefore offer better safety than other systems — including maximum customer satisfaction when it comes to drinking water. This is thanks to the lead-free materials and connections with no dead space, stopping deposits and germs dead in their tracks. For more than 35 years and in over 60 countries.





Highlights



Reliably sealed

The compression sleeve jointing technique enables sealing without an O-ring.



Visibly safe

Visual leak inspection from practically any angle.



Perfect hygiene

Optimized for hygiene and certified by independent institutes; lead- and germfree, without dead space.



Robust and durable

Durable system components, no chance of corrosion.



Low risk of kinking, but still flexible

Bendable at low temperatures with reduced risk of kinking.



Quality assurance

Extensively monitored during production, regularly tested by independent testing institutes.



Top performance

Expanding the pipe ensures unimpeded flow in the connection area.



Now available: RAUTITAN flex green

The same quality, but with over 90% less CO_2 footprint in the manufacturing process.

RAUTITAN in detail



www.rehau.uk/RAUTITAN

RAUPIANO PLUS: systematic sound insulation

The RAUPIANO PLUS range of pipes, molded parts and accessories offers you a complete system of building drainage from DN 32 to DN 200 — including optimum sound and fire protection and compatible with conventional HT and KG systems.

Get the job done faster and cheaper

Our sound insulation pipes offer up 30% reduction in working time compared to SML cast iron pipes. RAUPIANO PLUS also reduces material costs by as much as a third when compared to the conventional combination of SML cast iron and HT polymer pipes. With the added benefit of potential savings from reduced installation times.



Triple efficiency against sound

All components—the pipes, the molded parts and the mounting equipment—contribute to the sound insulating function of RAUPIANO PLUS. Another reason why RAUPIANO PLUS has been successful on the market for over 25 years.

RAUPIANO PLUS in detail



www.rehau.uk/RAUPIANO

Highlights



Ultra-quiet

Premium sound insulation verified by the Fraunhofer Institute. At 17 dB(A)¹, it is well below the values required by the Sound Insulation Directive.



Tested and approved

Fire retardant as a minimum and in some cases up to 120 minutes fire resistance — even at zero distance.



Added efficiency

Up to 30% faster to install² than SML cast iron pipes.



Tough as nails

High ring stiffness, chemical resistance at pH values 2–12, as well as pressure stability up to 2 bar and break resistance down to -10 °C.

- ¹ Mounting with structure-borne sound insulating support bracket from REHAU (P-BA 274/2016)
- ² Based on a time comparison according to installation data source "Quelle für Montagezeiten: Innung Spengler, Sanitär- und Heizungstechnik", Munich, 2005





RAUTOOL installation tool: Installation made easy

With the robust RAUTOOL system tools, you can install the compression sleeve quickly, easily and conveniently using the jointing technique.

A permanent seal in just three steps

You can start expanding immediately after cutting the pipes to length without any deburring or calibrating. With the QC1 expanding heads for RAUTITAN stabil and flex for the dimensions 16–32 mm, this is done in a single step, saving additional time. Naturally, the installation is ready for immediate pressure testing and can be corrected if necessary.

Ready for anything

The modular tool concept with various power types has the right solution for every requirement. High-performance battery-powered tools guarantee long service lives. The manual RAUTOOL tools are independent of the power supply, maintenance-free and tried and tested in harsh construction site conditions.

RAUTOOL in detail



www.rehau.uk/RAUTOOL

Highlights



Large selection of tools

Extensive range of tools, unrivaled on the market.



Original accessories

Double and triple compression jaws, inner spiral springs for RAUTITAN stabil pipes, expander heads and more.



10-160 mm

RAUTOOL system tools for the 10 to 160 mm size range.



Li-ion batteries

The latest-generation Li-ion batteries ensure extended use with short charging times.



Lighting

Integrated LED workspace lighting for working in poorly lit areas.



Plumbing boxes: plumbing technology in a box

Up to 70% time saving compared to conventional installation methods—whether surface-mounted or flush-mounted, T-piece or loop-through installation.

Only one part—100% pre-assembled and pressure-tested:

You only need to install one compact component instead of numerous individual components. Additionally, highly precise connections with stop collars as well as markings for easy alignment make installation even easier while minimizing the risk of complaints.

Plumbing boxes in detail





Highlights



Pre-assembled with precision

With the pre-assembled plumbing boxes, up to three washbasin connections can be installed in the same timeframe as one conventional installation, for example.



No condensation

The closed-pore structure of the high-quality PUR foam prevents condensation.



100% thermal insulation in accordance with the German Buildings Energy Act (GEG)

The pipes and fittings within the body of the box meet all the requirements of the GEG and of DIN 1988-200.



Universal

One for all. For virtually any installation situation.



Sound insulation

The body of the box decouples the pipelines from the structure and thus effectively reduces sound transmission.



Wide range

Plumbing boxes are available for individual connections (RSB), for looped-through connections (RSB+) and with water meters; for surface-mounted and flush-mounted installation.

RE.GUARD 2.0: the smart water control solution

Water damage is more common than you might think. The RE.GUARD 2.0 water control system uses modern technology to minimize the consequences.

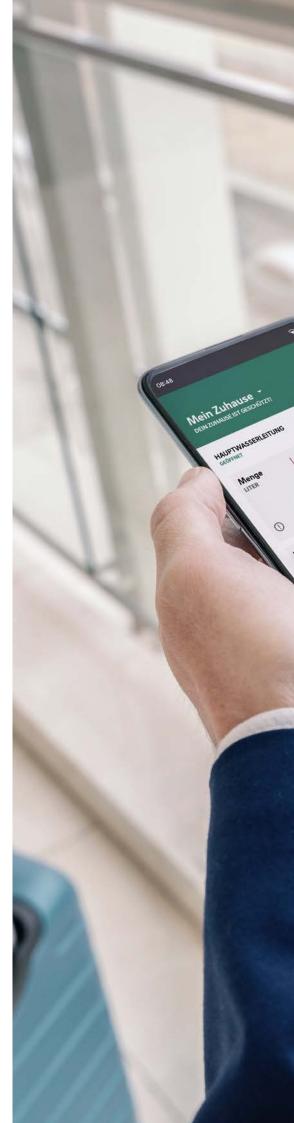
Safety for your home

Water damage occurs more frequently than you might think. A garden tap is left on, plugholes can easily get blocked up or pipes become damaged by corrosion, limescale or frost, resulting in water damage. Using advanced technology, the RE.GUARD smart water controller reliably intervenes before things get worse by reliably detecting burst piepes, drip leaks or unwanted water leaks.

RE.GUARD 2.0 in detail



www.rehau.uk/REGUARD





Highlights



Everything under control

Automatic shut-off in the event of burst pipes and drip leaks.



Save money and stress

Reduces the risk of major water damage.



Quick and easy to install

Compact design for easy professional installation.



Universal

For all single family homes and duplexes¹-whether new build, renovation or retrofit.



Unmatched safety

High quality and sophisticated components for reliable detection.



WiFi

Simple installation and integration via WiFi.

¹ RE.GUARD is designed for single family homes and duplexes. It is not suitable for large residential complexes with more than two units.





All things temperature control

Our solutions for heating, cooling and ventilation

Installation systems with RAUTHERM SPEED

Flexible in use—uncompromising in quality

Manifold technology

Solutions for a wide range of applications

NEA SMART 2.0

Intelligent control for a pleasant climate

Non-residential construction

Standard? Anything but.

Local heating

Polymer pipe systems for a low carbon heat supply

AWADUKT Thermo

Fresh air for buildings

RAUGEO

Gets the most out of geothermal energy

Installation systems with RAUTHERM SPEED: flexible in use, uncompromising in quality

The requirements for underfloor and radiant heating systems are diverse. So are our high-performance installation systems.

Perfectly coordinated solutions

Whatever your requirements, our solutions for new builds, renovations, walls, ceilings and non-residential buildings will help you succeed. Suitable for all floor coverings, whether tiles, parquet, carpeting or laminate. Our systems impress with well thought-out installation concepts, proven quality and maximum safety.

Underfloor heating in detail



www.rehau.uk/underfloor-heating

Highlights



Quick installation

RAUTHERM SPEED pipes are up to 30% more flexible than conventional radiant heating pipes, making them much quicker to install.



Flexibility

The right solution for virtually any application, whether new build or renovation.



Coordinated complete system

From the installation system to the distribution and control technology and accessories, all components are from a single source.



Without O-rings

Permanently sealed and safe thanks to the compression sleeve jointing technique.

The right system for every job



RAUTHERM SPEED: hook-and-loop system for single, duplex and multi-family homes

Unroll. Arrange in place. Done! RAUTHERM SPEED lives up to its name and can be installed by one technician without any tools.



Tacker panel system with RAUTHERM SPEED: faster for large areas.

Our high-quality tacker panels combine thermal and impact sound insulation with pipe fixing in one single component. The right tacking gun, optimised for construction site requirements, guarantees fast installation.



Varionova studded panel system with RAUTHERM SPEED: fast and safe for high-quality residential and commercial construction

Quick to install and safe to walk on, the combination of Varionova studded panel and RAUTHERM SPEED pipe is the ideal choice for time-critical construction sites. The sustainable alternative Varionova RE 30-2 sets a green standard for environmentally conscious construction and sustainable living.

Further information for specific requirements and RAUTHERM solutions can be found under the link on the left.

Building renovation—a growth market

Current studies¹ show that the construction industry is increasingly focusing on the modernisation sector. Radiant heating solutions—especially in conjunction with heat pumps—are a key element in energy efficiency and low carbon renovation. With the REHAU system portfolio, you benefit from a wide range of solutions for a variety of applications. And not just on the floor, but also in walls and ceilings, which allows for additional flexibility, especially in existing properties.

¹ see BauInfoConsult annual analysis 2023/2024

Installation systems with RAUTHERM NEO-X5: time for a new era in radiant heating

Join the NEOlution! New materials, new color, new options. The result: easier installation than ever before with tried-and-tested REHAU quality.

The NEOlution principle

We consistently develop the tried-and-true to keep on improving for our customers! Take advantage of our 40+ years of expertise in the radiant heating market. We know what really matters on construction sites, and we have consistently applied that knowledge in the development of the RAUTHERM NEO-X5.

Radiant heating in detail



www.rehau.uk/underfloor-heating

Highlights



Unmatched convenience

Fully optimised installation properties — especially in the pipe return area



Reliable safety

Five-layer pipe technology with oxygen barrier, including 8 bar pressure resistance.



Versatile and flexible

Suitable for all conventional installation systems. Zero noise when used in dry systems.



Innovative sustainability

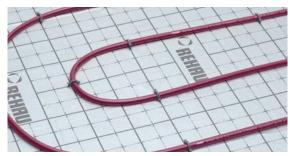
Low-waste production with 100% green electricity—made in Europe.

The right system for every job



RAUTHERM NEO-X5: hook-and-loop system for single, duplex and multi-family homes

Unroll. Arrange in place. Done! The hook-and-loop system lives up to its name and can be installed by one technician without any tools.



Tacker panel system with RAUTHERM NEO-X5: economically efficient for large areas with the classic in the project business

Our high-quality tacker panels combine thermal and impact sound insulation with pipe fixing in one single component. The right tacking gun, optimised for construction site requirements, guarantees fast installation.



Varionova studded panel system with RAUTHERM NEO-X5: safe and fast for high-quality residential and commercial construction

Quick to install and extremely safe to walk on, the combination of Varionova studded panel and RAUTHERM NEO-X5 pipe is the ideal choice for time-critical construction sites. The sustainable alternative Varionova RE 30-2 sets a green standard for environmentally conscious construction and sustainable living.

Further systems for specific requirements and the RAUTHERM iso solutions can be found under the link on the left.

Building renovation—a growth market

Current studies¹ show that the construction industry is increasingly focusing on the modernisation sector. Radiant heating solutions—especially in conjunction with heat pumps, are a key element in energy efficiency renovation. With the REHAU system portfolio, you benefit from a wide range of solutions for a variety of applications. And not just on the floor, but also in walls and ceilings, which allows for additional flexibility, especially in existing properties.

¹ see BauInfoConsult annual analysis 2023/2024



Distribution technology: solutions for a wide range of applications

From heating circuit manifolds, to individually pre-assembled manifold units for a cohesive complete system.

Heating circuit manifolds

Various heating circuit manifolds are available for heat distribution. The wide range of accessories like ball valves, control valves and heat meters provides maximum flexibility.

RAUTHERM units

RAUTHERM units make day-to-day work at the site faster and more efficient. The manifold units are pre-assembled for you and consist of a manifold box, heating circuit manifold and the desired add-on component. This saves you up to 45% installation time: unpack, insert, done.

Manifold cabinets

With our REHAU manifold cabinets, you'll be ready for virtually any situation, be it surface mounted, flush mounted or dry construction.

Distribution technology in detail



Highlights



Large selection:

solutions for a wide range of applications



Sophisticated system solutions

Perfectly coordinated system solutions with an extensive range of accessories.



Quick installation

Quick and easy manifold installation.

www.rehau.com/uk-en/trade-distributors/building-technology/underfloor-heating-cooling

NEA SMART 2.0: Energy-saving, convenient, stylish

Whether it's for a single-family home or a building with up to 60 rooms, the NEA SMART 2.0 single-room control system with smart functions and elegant design, is the future-proof system for both new builds and renovations.

Pretty smart, huh?

Wireless and wired technology in one device—mixed installations are no problem with the NEA SMART 2.0 central control unit. The cloud-based control system also impresses with its simple installation and commissioning. In addition to compatibility with KNX systems, remote maintenance and diagnostics providing you with, ultra-efficient service without time-consuming on-site appointments.



NEA SMART 2.0 in detail



www.rehau.uk/neasmart

Highlights



Simple installation, commissioning and maintenance

Simple programming via smartphone, tablet or PC and convenient remote maintenance.



For all applications

Wireless and wired technology in one device, for new builds and renovations, from singlefamily homes to buildings with up to 60 rooms.



Geo-fencing

Geo-fencing for energyefficient heating: detects when you are at home or on the way there.



Elegant design, smart features

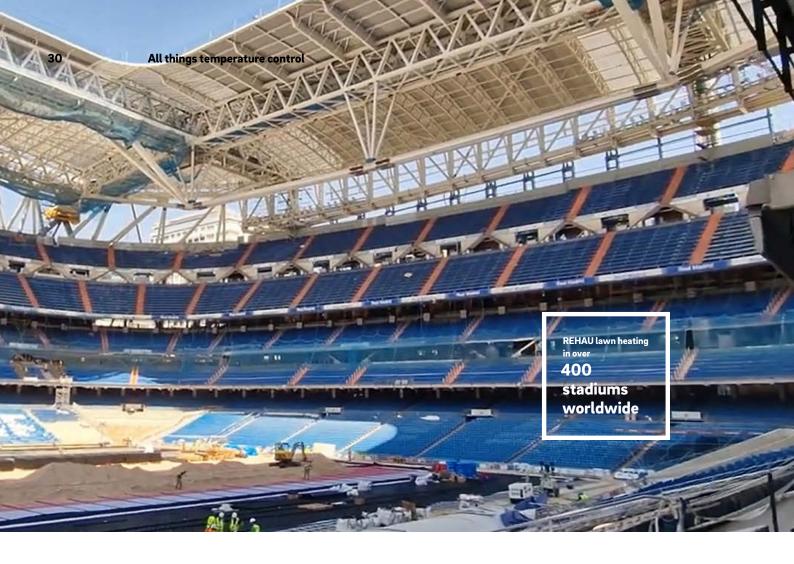
Available in white and black, with LED matrix display and optional illuminated frame for indirect lighting.



Integration into existing smart home systems

Compatible with other KNX-capable building technology elements.

 $^{^{}m 1}$ Statista 2021 forecast for worldwide smart home sales by segments for the years 2017 to 2025



Non-residential construction: anything but standard

Non-residential construction presents special challenges outside of day-to-day project work. With REHAU, you have a partner you can rely on.

Tried and tested solution expertise

As an experienced system provider, we do not stop at special requirements. On the contrary: questioning the status quo and improving every day are deeply rooted in our company DNA. Because even in large-scale projects, small details make all the difference. Stay on the safe side with REHAU.

Heating and cooling in detail



www.rehau.uk/underfloorheating

Our portfolio for non-residential construction



REHAU undersoil heatingThe leading system worldwide



Industrial panel heating systemThe economic solution for large areas.



Outdoor sub-surface heatingFree of snow and ice, even in cold weather.



Sports or swinging underfloor heating



For pleasant temperatures in sports halls.

Concrete core tempering and near-surface CCT

The comfortable and environmentally-friendly alternative for building temperature control

Other special applications

- Wall heating/cooling in wet and dry construction for the perfect balance between a pleasant climate and architectural freedom.
- Chilled ceiling: the dry construction system is quickly installed as prefabricated plasterboard with an integrated pipe. Wet construction is highly flexible and can be used for both large and smaller areas.

Highlights



Your project, our solution

We use our expertise to show you new possibilities

District heating: polymer pipe systems for a climate-neutral heat supply

Compared to supplying individual buildings, heat from renewable sources and waste heat can be provided much more cost-effectively using heating networks. New heat sources and innovative technologies can simply be integrated centrally.

Everything you need for success

Our 360-degree service is available to you for project development, planning and implementation of heating networks. Starting with a consultation, we provide you with relevant information and individual training. Once a project is confirmed, we provide support in the development of a route concept, pipe network planning, preparation of specifications and provision of our tools and installation aids, including instruction in their proper use at the construction site.

District heating in detail



www.rehau.uk/district-heating

Highlights



Reliability for generations to come

The use of a special REHAU material formulation has been proven to ensure extreme durability.



Integrated system of pipe & jointing technique

System approval for PE-Xa service pipes and fittings in accordance with ISO 15875-5 by IMA Dresden.



Longitudinally watertight pipe systems

Reliable prevention of moisture penetration in the pipe insulation.



Sealed sleeve systems

Clip- and heat-shrink shrouds with the proof of a sealed integrated system in accordance with EN 489 and additional increased testing requirements.

Pipe systems



RAUVITHERM slip pipe system: for smaller heating networks and connecting individual consumers

Flexibility is a key factor when connecting individual or several buildings to a decentralized heating supply. RAUVITHERM ensures that flexibility with its corrugated outer sheath and the multi-layer structure of the pipe insulation.



RAUVIPEX universal pipe system: the all-rounder for heat transport

The new RAUVIPEX heating pipe does it all. Whether for connecting a heat pump for individual buildings or for transporting heat within a heating network—this pipe always gets the job done. It perfectly combines outstanding insulating properties with excellent bending elasticity.



RAUTHERMEX composite pipe system: for local and district heating systems

For use in local and district heating networks with the highest thermal insulation requirements. The special polyurethane foam insulation minimizes heat loss and is also available with increased insulation thicknesses (plus dimensions).

Connections and accessories



CLIP-FLEX: inspired by experience

We have developed a ball joint function for our new CLIP-FLEX sleeve that allows you to master extreme angle deviations of up to 22°. Our integrated EPDM sealing system allows you to combine various REHAU pipe types and diameters with ease—without the need for separate sealing rings.



Modular fitting: soldered, not glued

The individual parts of the modular fittings are heat-treated to make them corrosion-resistant. This material structure is retained thanks to the low temperatures during soft soldering. As always with REHAU—without O-rings. The materials used are suitable for drinking water and feature in the German Environment Agency's positive list.



NEXUS tapping system: redefining boundaries

What was once possible only for cold water, gas and steel pipe heating systems, can now also be used for hot media and polymers, even during operation: NEXUS, the first tapping system for PE-Xa heating pipes.

AWADUKT Thermo: fresh air for buildings

The first building ventilation ducts with an antimicrobial inner layer, as well as impressive functionality, durability and design.

Energy-efficient air exchange for sealed building shells

Whether you are dealing with schools or day-cares, university institutes, single family homes, hospitals, town halls or high-rise office buildings: all rooms, buildings and the people within them need fresh air—and bigger buildings have more people working or living in them, so more air is needed. In combination with air/earth heat exchangers, AWADUKT Thermo provides you with a sustainable, energy-efficient and aesthetically pleasing solution for building ventilation.

Highlights



Energy efficiency

Meets all requirements of the Energy Saving Ordinance (EnEV).



Health

Clean, hygienic indoor air. No microbial contamination thanks to antimicrobial coating.



Design flexibility

Near-invisible installation for architectural leeway.



Quick installation

Installed 30% faster than concrete, without any special equipment—for reliable construction scheduling



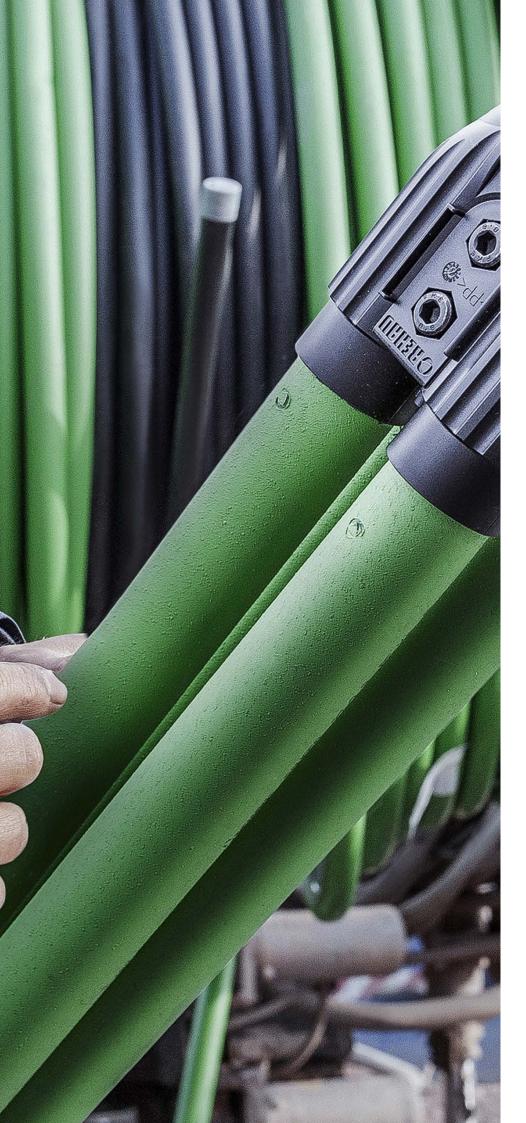
RAUGEO: gets the most out of geothermal energy

Low operating costs and high efficiency, just two advantages of geothermal energy with our RAUGEO geothermal probe.

Self-sufficient heating

Heating with a free energy source, independent of raw material prices, political developments and crises—and environmentally friendly to boot: that's geothermal energy.





Highlights



Energy source

Geothermal energy is inexhaustible, available everywhere and free of charge.



On the safe side

The probe system meets the highest safety requirements



Efficiency

Minimal water conductivity for optimal thermal efficiency



Reliability

10-year warranty¹.





Everything for industrial applications

Our pipe system for industrial construction

RAUPEX industrial pipe system

Flexible, fast, safe

RAUPEX industrial pipe system: flexible, fast, safe

The RAUPEX industrial pipe system is the versatile solution for compressed air, vacuum, inert gases, argon, process and cooling water, chemicals, solids transportation and much more.

One system for many applications

RAUPEX pipes made of the high-performance material PE-Xa are suitable for flexible and safe use in many areas of application. Using the compression sleeve jointing technique, SMARTFUSE and FUSAPEX permanently sealed and low-maintenance pipelines can be installed quickly and easily. The flexible RAUPEX pipes are quickly installed with no need for fittings—extra-fast and cost-effective when using coil bundles.

Building technology in detail



www.rehau.uk/building-technology

Highlights



40% fewer fittings on average Elexible installation a

Flexible installation and the use of coil bundles saves on fittings.



Color coding

Get a glimpse of what's flowing. No painting necessary after installation.



Low weight

Easy transport and low-cost mounting in the building.



Expandable even under pressure

With the SMARTFUSE tapping clamp, extensions can be installed while the system is in operation.





Consulting & services

Our innovative services

Advice and support

Succeeding together

Digital services

For a changing world



Advice and support: achieving success together

Nowadays, your customers expect more than just an installation service. Wouldn't it be great if you too had a contact for expert support?

Your central point of contact

Our sales staff are here to help you with our innovative service portfolio, wherever you are.

Support right from the start

With our planning support, we are here for you right from the pre-planning and drafting phase of the project—and of course, subsequent on-site instruction is also included.

Always the right selling points

Our professionally prepared advertising materials, customized with your logo, will help you make a lasting impression on your customers. Get in touch with your field representative, who can also add your company to our online search tool for specialist tradespeople if desired.

REHAU Academy

The world is moving faster and faster. With the REHAU Academy seminar program, you can stay on the ball on all relevant topics—and even take part in webinars from the comfort of your desk.

Technical support

We are available Monday to Friday for technical support and advice on: **enquiries@rehau.com**



Digital services for a changing world

The digital transformation does not stop at the sanitary, heating and air conditioning industry. You, as a professional, know this just as well as we do, as an experienced system provider. That's why we offer you a broad portfolio of smart solutions to support you on your digital journey.

Stop searching and start finding!

No more piles of paper. We provide you with convenient access to all information in our ePaperPortal. Just enter the name, material number or GTIN (EAN) in the search box to get all the material information and associated documents you need—from certificates and operating instructions to photos and drawings.



RAUCAD-software that pays off

Enjoy simple drawing, calculation and dimensioning of 2D and 3D pipe networks for heating, drinking water and drainage. With the integrated layout generator, pipe networks are quickly created and calculated in accordance with relevant standards in just a few clicks. RAUCAD is constantly updated to meet new requirements, such as the IFC interface for the building services import and radiant heating export.

CAD Browser / CAD Portal

Discover detailed and precise product drawings in multiple views. Using the convenient composition function, you can integrate true-to-scale products into the design drawing. The products are included in 2D and 3D representation. REVIT® by Autodesk is also supported.

BIM@REHAU

For all those with big plans, BIM@REHAU is the springboard for sustainable success, because those who plan digitally build more efficiently, saving both time and money. That's why we make the data for our REHAU products available to you for download as BIM data sets.



Networked building with BIM

Building Information Modeling (BIM) represents the interaction of all project participants with and at a central and virtual data model. This approach allows potential conflicts and problems to be avoided before they result in delays and rescheduling on the construction site. This reduces planning risks, increases project quality and improves your ability to meet deadlines and budgets.



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