



**Engineering progress
Enhancing lives**

Multi-Occupancy Solutions

Comfort, efficiency and reliability as standard.
www.rehau.uk/buildyourlegacy

#expectmore from REHAU



Engineering Progress. Enhancing Lives.

At REHAU we engineer progress and are dedicated to enhancing the lives of our customers throughout the UK. This drives us forward to ensure our products offer comfort, reliability and efficiency and be a leader in our industry - now and in the future. Expect more from REHAU.





Credit: John Sturrock

The REHAU Group

Reliable and innovative

As a 20,000 strong polymer specialist, REHAU have been developing innovative solutions for the construction, automotive and furniture sectors for over 70 years. When specifying or installing REHAU products, you can be sure of their quality and performance.



Hygiene

REHAU offer proven solutions for drinking water distribution which meet the strictest hygiene requirements.



Comfort & Style

Comfort and style is important for the building's occupants, REHAU have designed smart controls to achieve the ultimate in comfort levels and can create the perfect style with our choice of windows and doors.



Efficiency

Whether generating heat from renewable energy sources or distributing heat efficiently throughout the building, REHAU can help you reduce your energy consumption.

A first class service

A partner you can rely on



Accredited installers

REHAU has a network of trained contractors to ensure the highest installation standards.



Academy/CPDs

Training is available for contractors on-site. Our accredited CPDs can be provided online



On site support

Our technical team can visit site to assist with tool training, installation and commissioning.



UK stock

Our product ranges are stocked at REHAU in the UK and at major national distributors.



Design services

Unrivalled design support from concept to detailed design.



BIM ready

All our products are BIM Level 2 ready.

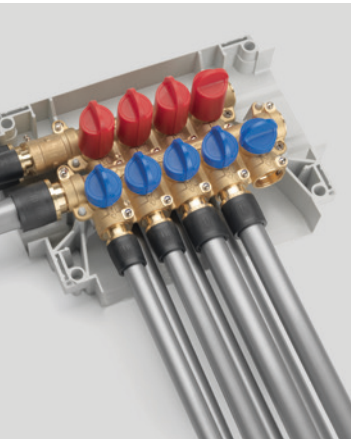
Heating, plumbing & drainage

High performance as standard



RAUTITAN

- 10 bar WRAS-approved heating and plumbing system
- RAUTITAN Flex (PE-Xa) and Stabil (MLCP)
- REHAU EVERLOC™ compression sleeve fitting has been used over 850,000,000 times
- Independent certification of a 'cavity-free' joint
- Proven alternative to copper
- No O-ring and simple visual inspection of fitting



RAUTITAN smart manifold

- Space saving compact manifold ideal for modular construction and utility cupboards
- Cost-effective solution for managing water distribution
- Save in material and installation costs
- Simple & easy to install
- Completely modular for flexibility
- Central isolation point for the property

RAUTITAN pre-insulated pipe range (available Q2 2021):

- Pipe insulation is Class B fire-rated to EN13501-1
- In 25m coils
- Available for pipes from 16-25mm
- Round and square (non-fire rated) insulation and conduit also available





RAUPIANO acoustic soil and waste

RAUPIANO PLUS

- Acoustic soil and waste system
- 17dB noise protection performance
- Full range from DN32-200
- High chemical resistance from polypropylene (PP)
- Up to 2-bar rated push-fit system
- 30% faster installation than alternative systems
- 120 minute fire protection





Heat networks & energy centres

Reducing heat losses

In the drive to reduce carbon emissions from heating, many new residential and mixed use developments are connecting to a district heat network or installing remote energy centres on site. Polymer pipes are ideal for modern lower temperature heat networks linked to renewable sources such as heat pumps or waste heat.

REHAU is one of the market leaders in pre-insulated pipes and supply a fully polymer heat network for projects up to 16MW.

REHAU district heating pipes:

- RAUVITHERM and RAUTHERMEX PE-Xa pipes available from 25-160mm
- PP-R pipes available up to 355mm
- Uses REHAU EVERLOC™ compression sleeve joining technology
- Largest UK stock of pre-insulated pipes with full cutting service
- RAUVITHERM is the only PE-Xa pipe made in the UK



Heating & cooling solutions

For optimum thermal comfort

The UK has committed to zero carbon by 2050, and decarbonising how we heat our buildings efficiently is a key challenge. Underfloor heating is ideally paired with low carbon heat pumps or can be used on a district heat network to distribute heat within a building.

REHAU have an underfloor heating and cooling solution for all your project needs covering both wet and dry floor constructions.

Systems include:

- RAUFIX clip rail (screeded)
- Tacker staples (screeded)
- Industrial floor heating (screeded)
- Floating floor (dry)
- Diffusion plate (dry)
- Sprung floor (dry)
- Acoustic batten (dry)



Thermally Active Building Solutions (TABS)

TABS is increasing in popularity as developers and specifiers are looking at ways to heat and cool buildings efficiently. It has been extensively used on education, retail and commercial buildings. The UK projects TABS have been used on are often BREEAM Excellent or Very Good or Passivhaus certified.

TABS utilises the thermal mass of a building for heating and cooling. 20mm PE-Xa pipes are embedded in the concrete structure and joints can be made in the concrete using the leakproof REHAU EVERLOC™ jointing system.

- Utilise thermal mass of building
- Reduces need for air-conditioning
- Ideal with heat pumps



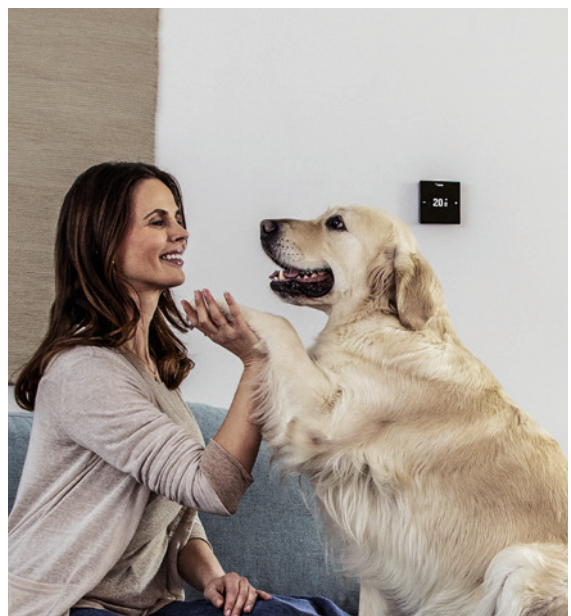
NEA Smart 2.0

Energy-saving,
Convenient, Stylish

With the growing demand for smart heating controls, REHAU have launched NEA Smart 2.0 to offer a stylish control solution with a wide range of smart features. Smart controls can offer up to 20% energy savings versus traditional heating controls.

The LED dot-matrix design is ideal for modern buildings and can be used on both residential and commercial projects.

- Unique design with energy saving LED dot-matrix display
- Wired and wireless versions can be paired to the same base station
- Up to 8 zones per base station but up to 60 zones possible when paired together
- Self-learning software to optimise performance
- Amazon Alexa integration and geofencing
- Simple installation wizard and over-the-air software updates







Design & specification support

From concept to installation

Supporting our customers every step of the way is key to a successful partnership. Our REHAU Hub in London was set up to provide specification support for our wide product range, alongside an opportunity to see our products first-hand. Across the UK and Ireland, REHAU has regional sales offices to provide expert advice. Whether it relates to pipe sizing, a non-standard application or general technical advice, we are here to help.

Our approved CPDs include:

- Polymer pipe for heating and cooling
- Introduction to sub-surface heating and cooling
- District heating and heat networks
- Fenestration
- Aluminium clad curtain walling
- Introduction to renewable heat technologies
- Acoustic soil and waste
- Thermally activated building structures
- Polypropylene sewer pipe and chambers



Opposite: BBC Development, White City.
Products installed included: Underfloor heating, hot & cold plumbing system, REHAU EVERLOC™ joining system, chilled ceiling and dry sprung floor.



Windows, doors & curtain walling systems

Secure and reliable systems from REHAU





GENEO® Alu Top

- Passivhaus Certified Window System
- U_w value as low as $0.73 \text{ W.m}^2\text{Ks}$
- 6 chamber design with 3 surrounding seal levels
- Incorporates 'RAUFIPRO®' material formulated by REHAU for the Aerospace and Automotive industries allowing greater torsional stiffness with less reinforcement
- The GENEEO® Alu Top option simulates the aesthetics of aluminium but with greater thermal performance



POLYTEC50

- A system which uses the structural capabilities of steel reinforcement, the design and finish of aluminium on the exterior, and the warmth and low maintenance benefits of PVC-U on the interior
- Passivhaus certified with U_w value $<0.8 \text{ W.m}^2\text{K}$
- Tested to the CWCT's challenging weather performance standards
- 43dB sound rating for a peaceful environment



TOTAL70

- A wide range of multi-chambered profiles
- Choice of two aesthetics, TOTAL70C chamfered profiles and TOTAL70S profiles, making it the perfect choice for any project
- Option for fully reversible and flush fit windows
- U Values as low as $0.8 \text{ W.m}^2\text{K}$ and an A+ Window Energy Rating (WER)
- Independently tested by UKAS accredited test houses, reaching the highest exposure categories under BS 6375 (wind resistance and weather performance)
- Passes the security standard BS 7950 and PAS24 (security performance for doors) enabling straightforward compliance to Secure by Design

Case studies

Installations across the UK



Tustin Heights

Size: 35 luxury apartments

Product: Polytec 50 curtain walling, TOTAL70R fully reversible, AGILA multi-fold doors



BBC White City Redevelopment

Size: Over 250 apartments and mixed use development

Product: Underfloor heating, heating and plumbing, chilled ceiling



Hungate Apartments

Size: Over 1,000 apartments

Product: RAUTITAN plumbing



Riverside District Heating Scheme

Size: Over 300 properties

Product: RAUTHERMEX pre-insulated pipe



Moxie hotel, Edinburgh

Size: 262 rooms

Product: RAUPIANO acoustic soil and waste drainage



Kinnear Road

Size: 15 high specification luxury apartments

Product: RAUTITAN plumbing



Bluestone Holiday resort

Size: 65 eco-friendly lodges

Product: RAUTHERMEX pre-insulated pipe



The Tower, 1 St. George Wharf

Size: 210 apartments

Product: Heating and plumbing



Middleton Waters housing development

Size: Over 50 homes

Product: Rio flush fit windows



South Quay Plaza

Size: 685 apartments, across 67 floors

Product: Underfloor heating



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