Multi-Occupancy Solutions

Comfort, efficiency and reliability as standard.

www.rehau.uk/buildyourlegacy

#expectmore from REHAU
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.
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.
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.

A first class service
A partner you can rely on
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
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

**Heat networks & energy centres**

Reducing heat losses
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 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
- Uw value as low as 0.73 W.m²Ks
- 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 GENEO® 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 Uw value <0.8 W.m²K
- 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 W.m²K 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

**Moxy 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