

Uponor

PIPE SYSTEMS

FLEXIBLE,
PRE-INSULATED
PIPE SYSTEMS

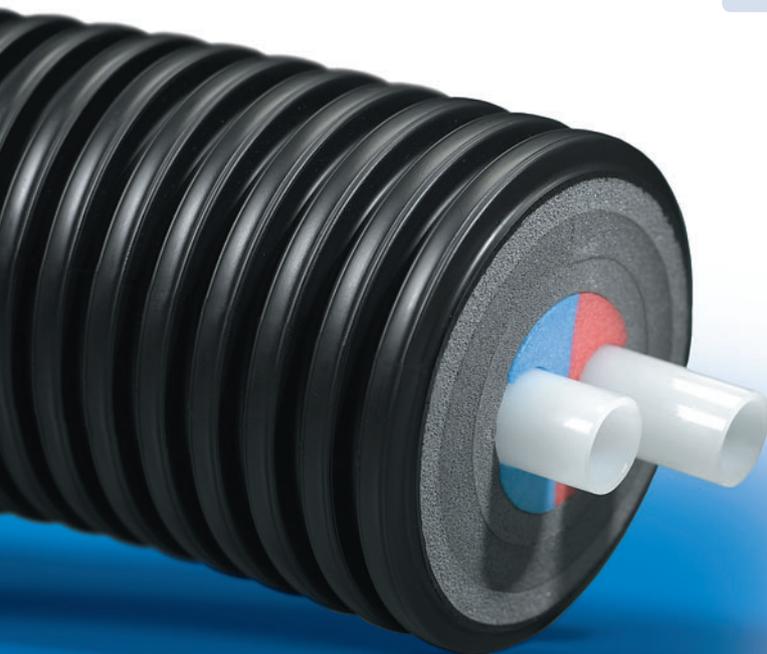


Pre-insulated pipe systems from
Uponor : flexibility means more
cost-efficiency

Added value from Uponor: flexible installation, quick and simple link-ups, cost-efficient and safe working



From practice - for practice. There is hardly a better way to describe the basic principles behind our flexible, pre-insulated pipe systems. The flexible material, the quick and simple connecting method, a certified service life plus the robustness of our pre-insulated pipes ensure that you - the expert - are able to carry through your projects quickly and safely at a favourable cost; no matter whether it is a comprehensive supply network or just a single tie-in to a building. Hot water, potable water, cooling water and waste water are safely transported just as many other industrial mediums. Our all-round service covers all the phases of your pre-insulated pipe project.



Customized delivery on site; installation straight off the coil.



Simple, permanent, safe and practice-proven connections.



Quickly and flexibly through brickwork to the main manifold.

Quality, not quantity. Uponor offers four intelligent products for a practically unlimited range of applications.

Seldom does quantity mean quality. A good pipe system is recognized by its ability to allow numerous professional applications. In the Uponor pre-insulated pipes, this spectrum is entailed in the performance of the materials of which our Thermo-, Aqua- Quattro- and Supra pipes are made:

- Range of medium temperatures: -50°C to + 95°C
- Range of medium pipes: da 25 – 110 mm
- Range of operating pressures: 6 to 16 bar
- Mediums: hot water, cooling water, cold and hot water, waste water, foodstuffs, chemicals.

The flexible, pre-insulated Uponor pipes incorporating these properties have been used for more than 25 years in heat supply, housing developments, building tie-ins as well as in industry, for example, breweries, refineries, waste water treatment plants and hotel complexes.



Uponor Ecoflex Thermo

Single or twin pipes for hot water distribution and building tie-ins. Available as Thermo Twin with flow and reflux pipes in just one system pipe.



Uponor Ecoflex Aqua

Single or twin pipes for hot, potable water. Available as Aqua Twin fitted with integrated circulation pipe.



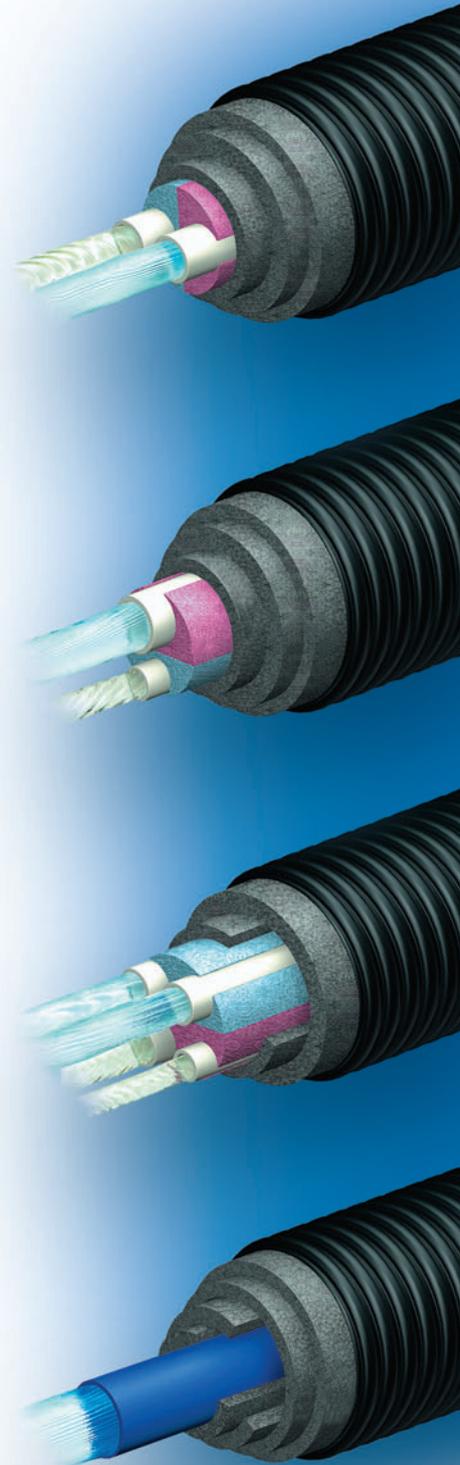
Uponor Ecoflex Quattro

The all-in-one solution for transporting hot water and potable water in a flexible pipe. Ideal and cost-efficient for tie-ins.



Uponor Ecoflex Supra

For cold potable water, cooling water, waste water. Optionally available with integrated anti-freeze cable.



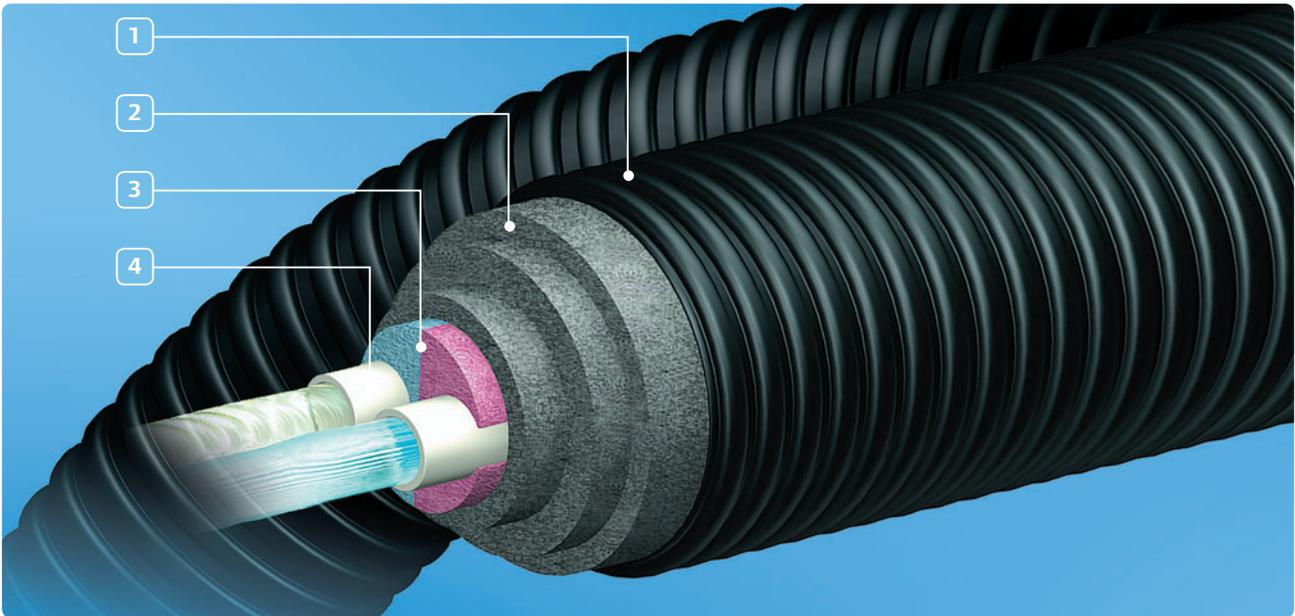
Quality, not quantity. Uponor offers four intelligent products for a practically unlimited range of applications.

No welding, no need for special tools. The flexibility of our pre-insulated low-weight pipes makes for easy handling and rapid on-site progress, with additional support in a complete range of accessories. From a variety of wall seals, to insulation sets, to our tried-and-proven range of fittings. The main advantages when installing and connecting:

- Trouble-free installation around corners and obstacles
- Up to 200 m connection-free installation in one length
- Self-compensating pipe structure does away with the need for expansion joints
- Rapid on-site construction progress / short assembly times
- Simple and safe connecting method including subsequent insulation of connections and outlets



Easy handling thanks to excellent flexibility: not only when the pipe is rolled out into the trench but also when making house lead-ins - product advantages much welcomed by our customers.



Opposites attract: how to get more quality through flexibility and stability

The solution can be found in the specific properties of our basic materials, HDPE and PE-X, two polyethylenes which we use for all of our products:

- 1 HDPE jacket pipe: impact-proof, durable yet flexible thanks to the Uponor Ecoflex pipe geometry
- 2 PE-X foam insulation: excellent insulating properties, ageing-resistant, moisture-proof and highest possible flexibility
- 3 The so-called Dog Bone effectively prevents any mix-ups between flow and return pipes
- 4 PE-X medium pipe *: temperature-resistant and resistant against encrustations and stress cracks

*Uponor Ecoflex Supra: HDPE (PE100)

Key properties at a glance:

- Easy to handle, excellent flexibility allows rapid on-site progress
- Ageing-resistant, permanently flexible insulation made of closed-cell PE-X foam, water absorption < 1%
- Heat loss* DIN Certco extraneous control *
- Corrosion-resistant and incrustation-free medium pipe
- Highest-possible resistance against stress cracks, aggressive mediums, frost and micro-organisms
- All materials feature low specific weight

*Uponor Ecoflex Thermo.

Our service for our flexible, pre-insulated pipe systems

Please call us should you have any questions about our range of accessories and fittings or require expert advice in planning and designing your project. We will be pleased to help.



- Use the benefits of our cut-to-size service – any length you need, individually cut for your construction site



- All-round support in planning and design by experienced engineers
- On-site project support and product training



We provide the quality – you have the benefits



Handling and installation

- Up to 200 m connection-free installation in one piece
- Low-weight means easy handling
- Flexible, rapid installation around obstacles, corners, through house lead-ins and chambers
- Simple and safe connection method including subsequent insulation of connections and outlets
- Self-compensating system construction does away with the need for expansion joints

Safety and service life

- High-grade HDPE and PE-X materials
- Corrosion-free, encrustation-free medium pipes
- Uponor Ecoflex geometry of jacket pipes provides maximum ring stiffness, impact resistance and compressive strength
- Excellent resistance against stress cracks, aggressive mediums, frost and micro-organisms
- Ageing-resistant, permanently flexible insulation made of closed-cell PE-X foam, water absorption < 1%

We provide all-round services for our flexible, pre-insulated pipe systems

- Comprehensive support in planning and designing through our Uponor team
- On-site project support and product training
- Cut-to-any-length service including ready-for-installation delivery to site

Contact us for further information:

Please fax to: +49 (0) 2553 725-78

Please send me further information on your flexible, pre-insulated Uponor pipe systems:



- Engineering brochures**
Comprehensive technical information about the pre-insulated pipe systems

- Call back**
Please give me a call

- Product sample**
Please send me an original sample of your products

Company stamp

Name

Company

Street

Post code/City

Telephone

Uponor – Partners, pioneers and market leaders

Uponor activities cover many sectors ranging from concealed panel heating and cooling systems, potable water and sanitary installations, radiator tie-ins through to designs for civil engineering, environmental engineering and municipal engineering projects.

Since it was founded in 1965 in Scandinavia, Uponor has been setting standards for innovations and their consistent on-going development.

Our efficiency and performance in the three business fields of heating/cooling, installations systems and infrastructure remain dependable and reliable in the future. Restructuring plus unique added-value – for the benefit of our customers.

Uponor. Simply more.

Piping Systems

- Flexible, pre-insulated pipe systems
- Service connections PE-Xa

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simply more