

Why choose Uponor?



Experience

With over 40 years of successful service and more than 3.8 billion metres of installed piping, Uponor MLC has the longest record of performance in the industry.



Innovators

Uponor continuously delivers innovative new products for use with Q&E and to compliment other products within the solutions portfolio.



Quality

- 1) Products manufactured in Europe to the highest international standards
- 2) Proven track record of delivering high quality products in live applications
- 3) More than 80 certifications and approvals around the world



Support and Technical Service

The Uponor team offer a complete support package from initial client concepts, design and estimating through to project commissioning.



Warranty

We offer a 25 year product warranty*
(* 2 years on valves and controls)



Complete solutions

Uponor's ability to partner with customers on projects is unrivalled. Our product ranges offer a single point of contact for planning complete projects and installations. Products for Building Services and Indoor Climate compliment each other to provide complete project solutions from 'off-site' heat generation, distribution, through to point of use:

- **Ecoflex**
Pre-insulated underground pipe for domestic services, heating and cooling applications
- **Ecoflex Thermo PRO**
Pre-insulated underground pipe for heat distribution
- **Multi Layer Composite Pipe system (MLCP)**
For domestic services, heating and cooling applications
- **HIUs and cooling units**
For local generation of domestic hot services, heating and cooling
- **Hygiene systems**
For the maintenance and delivery of hygienic water for domestic services
- **Radiant heating and cooling (UFH)**
- **T.A.B.S**
Thermally Active Building Solutions
- **Chilled ceilings**
Provides optimal thermal comfort discretely within the workspace
- **Heating and cooling controls**
Including options for BMS interface

Tested and certified worldwide

Since 1982, Uponor have manufactured enough MLC pipe to go around the world about 30 times.

Virtually all of our installed systems are still in service today in both commercial and domestic applications. Buildings such as domestic homes, hospitals, hotels and commercial properties all benefit from the length of service offered by the modern materials.

Over the last 35 years, our pipe has been rigorously tested and certified in many countries to ensure they are able withstand the demands and requirements of a modern building. For us, the final test is that we exceed the expectations of our customers.

Certifications worldwide

- WRAS • DVGW • DNV • VDE • DIN CERTCO • SVGW
- AENOR • Kiwa • CSTB • IPL • ACS • SITAC • SABS
- ETA • Green Building Council

Worldwide Regulations

- EN ISO 15875 • DIN 1988 • ASTM F876 y F877 • ASTM F1960 • CAN • NSF • ANSI • CSA • AS/NZS 2492:2007



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Uponor

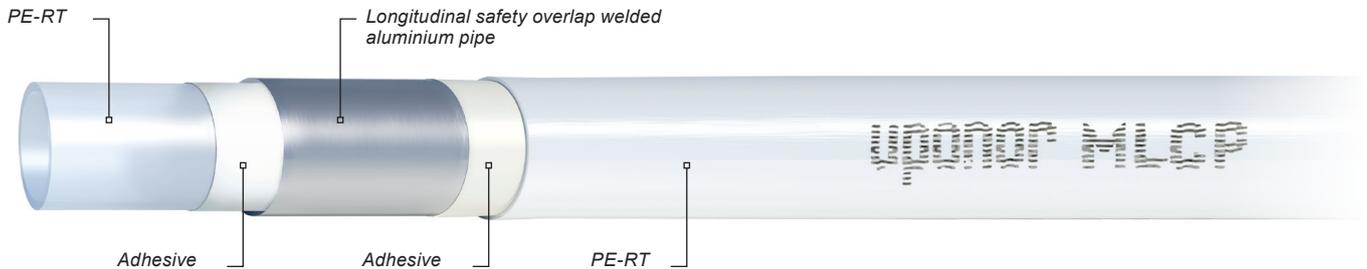
Uponor MLC

Multi-layer systems for any installation



MLCP – Multi Layer Composite Pipe

MLC pipes are fast becoming one of the most popular pipe materials used for the supply of water for heating and domestic services. It is faster to install, cleaner, quieter, more cost effective and more secure.



5 layer composite system

An easy replacement for virtually any metal pipe system, Uponor's 5-layer MLC enjoys all the benefits that a metal pipe system has to offer, plus all the benefits that modern materials like Polyethylene can offer.

Based on a core of an aluminium pipe, layered inside and out with Polyethylene, the pipe is extremely strong and 100% oxygen diffusion tight.

Available in sizes from 12-110mm, in either coils or straight lengths (coils up to 32mm), the pipe is 'form-stable' and can easily be modelled into the optimum profile for each installation. Reducing the number of connections required in a plumbing scheme is in the DNA of the MLC concept. Don't add a connection, make a bend instead.

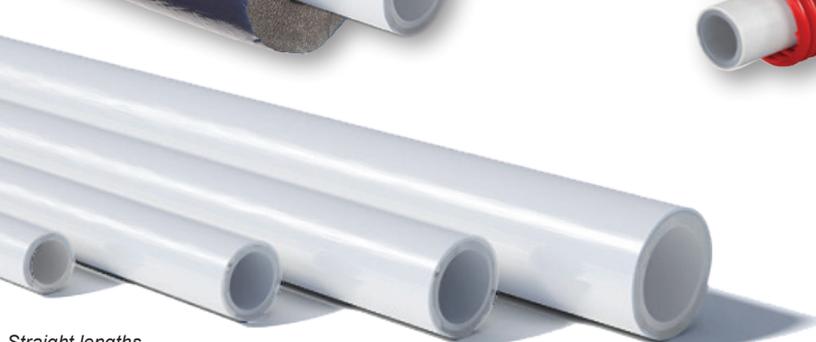
Using MLC for your installation offers a wide range of benefits. Old plumbing traditions are being replaced by systems more capable of adapting to the demands of modern buildings and designs.

Your benefits:

- Sizes from 12-110mm
- Quicker, easier installation
- Low expansion rate, similar to copper
- Ideal for use with 'manifold' plumbing schemes
- No hot-works
- Pre-insulated pipes available
- No risk of calcification or corrosion
- No metallic scrap value, no risk of theft
- Pipe is 'form-stable' when bent
- Suitable for re-circulating systems
- 25 year warranty



Pipe-in-conduit



Straight lengths



Coils



Make the right connections

Being able to choose which connection system is best for each part of your design is vital to ensure that your installation is the best that it can be.

Irrespective of which connection you choose, they have all been designed and rigorously tested to cater for the same temperatures and pressures.

Your benefits:

- 25 year warranty on all plumbing systems
- All connections are reviewable once completed*
- Fewer connections when using pipe coils
- Transition connections to copper, steel and Q&E PE-X
- 'Leak Path' if un-pressed
- All fittings seal on the inside bore of the pipe
- Low profile joint connections for easy insulation

(*except for compression adapters and Eurocone fittings)

S-Press Plus Metal (16-50mm)

With an engineered body made from 4 MS positive listed DZR brass materials, each fitting uses two O-rings on each connection to give the utmost security. Inspection windows are provided on the stainless steel pressing sleeves to help review the connection before and after pressing.

All fittings are colour coded for easy identification. Sizes 16-32mm have a 'break-away' pressing indicator for easy identification of a completed press.



S-Press Plus PPSU (16-75mm)

Fittings are manufactured from high grade PPSU (Polyphenylsulfone), with a stainless steel pressing sleeve. Highly resistant to virtually all building chemicals, screeds and materials, PPSU Press is ideal for every application.

All fittings are colour coded for easy identification. Sizes 16-32mm have a 'break-away' pressing indicator for easy identification of a completed press.



Modular RS – Riser System (63-110mm)

Our innovative Riser System follows a modular design principal. With only 39 components, you can make combinations of fittings that would ordinarily require holding hundreds of different fittings in stock for your project.

Planning is faster and easier, and the system is far more flexible. Adaptations are easy and non-destructive.

With a body made from 4 MS positive listed DZR brass materials, each fitting is colour coded, has two O-rings on each connection and has inspection windows to review the assembly before and after pressing.



RTM™ (16-25mm)

Uponor's unique RTM (Ring Tension Memory) push-fit technology with the 'tool-inside' concept makes a fast, simple, professional connection without the need for expensive tooling

The RTM fittings' audible 'click' upon making the connection gives complete peace of mind the joint is secure. Additional comfort can be gained by using the 360° visual inspection window to view the pipe and it's correct bonding into the fitting.



Compression Adapters (12-25mm)

Two part fittings that allow simple connections from MLC to any fitting or equipment that ordinarily uses a compression type connection.



Joint inspection windows



Uponor MLC, designed for a service life in excess of 50 years

Many of the tools needed to install Uponor MLC are very standard and usually found in most engineers' toolboxes. However, as with many systems in the Building Services industry, our press connections require a more specialised tool (press connections only).

In order to guarantee that your system stands up to the toughest of conditions, we have produced a range of tools that are both simple to use, and offer the highest performance joints.



Your benefits:

- Mini 32 for connections 12-32mm
- UP 110 for connections 16-110mm
- Small portable battery tools
- Unique UPP1 or KSP0 pressing profile
- Jaws are compatible with other manufacturer's press tools*
- Colour-coded Jaws
- Hire tools readily available from national hire companies
- FOC, certificated, on-site training available

**must check compatibility with Uponor*

Case studies

(Full case studies are available on request)

Country	Project	Building Type
United Kingdom	NV Buildings	High Rise
	Olympic Velodrome	Sports Facility
	British Antarctic Survey	Research facility
	Addenbrooks Hospital	Healthcare
	Salford Quays, Manchester	Residential
	Manchester Metropolitan University	Education
	Poundbury Apartments	Residential



Olympic Velodrome
6,500m of MLC



British Antarctic Survey
2,300m of MLC



Kingspoint House, Dorchester
9,300m of MLC