



UPONOR SYSTEMS CASE STUDY

BRISTOL COUNCIL HOUSING ASSOCIATION



PROJECT:

Housing Association
- *Decent Homes Programme*

PROJECT SIZE:

1110+ homes a year

MATERIAL:

Uponor MLCP
Rad. Connection Packs

CLIENT:

Bristol Council

SPECIFIER:

Bristol Council

INSTALLER:

Connaughts

Heating Partnerships & Refurb Programme Brings Benefits to all...

Bristol City Council have partnered with Uponor as they revolutionise the authority's social housing stock.

Up to 1,000 homes are being fitted with extremely versatile Multi Layer Composite Pipe (MLCP) which has not only saved hours of engineers' time to install, but is changing the way that local authorities think about copper piping solutions.

Without the disadvantages of corrosion, incrustation and hot-works requirement - not to mention the inconvenience of having to paint - Uponor is winning acclaim in the West Country for its quick, safe installation.

In addition, tenants in Bristol are giving the product the ultimate seal of approval, with no leaks being reported in any of the homes since they switched to the brand.

Bristol City Council's technical investment manager John Long said that a dozen engineers were taking just two days to completely rip out and replace the old cast iron boilers, radiators, pipework and controls,

replacing them with advanced solutions, resulting in significant gas bill savings.

He said: "What we are finding is that tenants are very enthusiastic about the system because it is self-finished, but there are a lot of positives for us as well.

"The MLCP pipework is not getting stolen as copper often is; it is easier to install, far lighter and the engineers like it because it is clean to use.

"These are all attributes which are drawing a lot of attention from other councils and housing associations.

"Since we started installations last March we have not had one leak. I believe it was the right move for us."





UFH

Underfloor Heating has the following major advantages; comfort, ease of control, cost effectiveness, good use of space and aesthetics, silent operation and hygiene. Uponor Underfloor Heating is available in both Uponor's MLC piping and PEX piping ranges.

Installing an Uponor UFH system is fast and simple

- A range of compatible heat sources.
- Comfort – heat radiates from the floor up, creating a comfortable, 'warm feet, cool head' environment, unlike radiators which are convective.
- Cost effective, underfloor heating adds value to your property as a feature. It can also convert cold rooms into habitable living areas.



Manifold Plumbing

Seen by many as the consumer control box, a manifold isolates various loops of pipe leading from the boiler. With joints only at the manifold and the radiator/taps, the risk of leakage from joints is considerably reduced. In addition, there are no connections within the walls, keeping pressure and temperature variations to a minimum when taps are turned on and off. Isolation can be made for each appliance, therefore mains water does not have to be completely switched off. Available for 2 loop to 12 loop systems Uponor offers a complete range of fittings, couplings, and other components.



MLCP

Available in sizes from 12mm to 110mm Uponor's innovative Multi Layer Composite Pipe comprises of overlap welded aluminium sandwiched between two layers of polyethylene pipe.

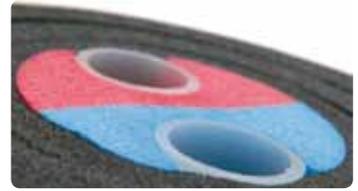
- A 100% oxygen tight construction (prolongs the life of your pumps and other equipment sensitive to corrosion).
- Form stable yet flexible plumbing technology (bends in installation and remains rigid once installed).
- Limited expansion and smooth internal bore (allows the pipe to be used in hot and cold water applications without deterioration in the pipe's size or shape).
- Detectable behind plasterboard or dry lined walls.



PEX

With company roots dating back as far as 1620 over 1.5 billion metres of this pipe have been supplied worldwide. Useable in underfloor heating, domestic plumbing and commercial plumbing, PEX boasts an expected lifetime in excess of 50 years and a 25 year product defect guarantee.

- Silent operation, especially in underfloor heating.
- Diffusion barrier inclusion makes the pipe ideal for potable drinking water use and is corrosion free.
- Pipe memory ensures a permanent joint when used with our Expand & Pushfit system, this simple method takes about 15 - 30 (depending on pipe sizes; 15, 22 and 28mm available) seconds to form a permanent, leak free joint.
- Wide range of sizes, 12-110mm diameter.



Pre insulated

Capable of transferring a variety of liquids, Uponor's Pre Insulated Pipe offers very little temperature differentiation over large distances. The pipes, that run outside of buildings, can operate with a range for hot and cold liquid supplies.

- Compatible, with all other piping systems.
- Endless pipe lengths, from coil and straight lengths.
- Pipes are flexible, have an oxygen diffusion barrier, and are corrosion proof.
- No special tools – everything you need to fit the pipe you can already find in your tool box.
- Light weight, quick and easy to install allowing pipe runs around any obstacles.



Training

Our dedicated training academy is the best facility of its kind in the UK. It boasts comprehensive one or two day training courses to educate individuals on Uponor's Flexible plumbing and UFH systems. Facilities include a fully operational practical room complete with screeded and joisted floor applications, alongside a wet room for flexible plumbing and manifold plumbing applications.

Technical Support

We believe it is very important to have a dedicated technical team available throughout any project to give first hand support. Our technical team are able to produce quotes within 7 days, dependant on work loads, and can deliver accurate CAD drawings to aid the installation of any project.

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