References

Mooreland Care Home



Uponor involvement

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Mooreland Care Home

Uponor Ltd provided the complete solution to Mooreland Care Home's heating and plumbing needs, offering complete flexibility and also a quality installation.

Project Facts:

Location

Cambridgeshire, United Kingdom

Completion

2007

Building Type

Sports facilities

Product systems

Radiant Heating & Cooling, Multilayer Pipe Systems

Project Type

New building

Partners

contractor
Barlcay Living Division

specifier
MLM

installer
John Kay Mechanical

Catering for an ageing population is without question having an impact on the way companies across the UK market their product to the 'Grey' market. The construction industry is no different, using its skills to accommodate the growing market for care and residential homes. Other than the obvious amenities some of the residents require; underfloor heating offers a number of key benefits that ensures the residents are kept in the utmost comfort. Uponor Housing Solutions provided the complete solution to Mooreland Care Home's heating and plumbing needs, offering a product that gave complete flexibility but at the same time ensured a quality installation.
Having used Uponor MLC before, it seemed like the ideal choice for the £45m phase 1 development covering 35 rooms per block, which occupies the same site as the existing care home.

Installer John Kay was extremely specific in the product needs for the project; they wanted a pipe company that could provide all pipework from the UFH to the larger diameter service pipework within the building. The development was carried out with complete precision, used MLC pipe in the service pipework and PEX20 pipework in the UFH application. The service pipework; flexible and lightweight to install; allowed John Kay to complete the job to the highest standard without the need for hotworks, an important factor in current safety conscious conditions. The domestic pipework was then bent to form neat 90 degree turns, eliminating the need for additional fittings, and fitted to fixture with the streamline press fit system.

The installation utilised the new range of colour coded fittings, that directly replaced the existing Uponor MLCP from September 2007 metal press fittings have a range of sizes in 16mm, 20mm, 25mm and 32mm. The overall appearance of the joint after compression is neater and cleaner than any other joint in the market place, and falls apart to give an immediate visual indication that a secure joint has been made. The many metres of service pipework, delivered on site in straight lengths could be attached to the fittings in seconds. The labour savings over traditional methods are unsurpassed, yet still share a number of key attributes including minimal expansion properties, vital in large service work.

Lastly the UFH is ideal for care homes; the heating is hygienic, by not circulating bacteria around the room; it is comfortable, maintaining an ambient temperature; and lastly when combined with Uponor’s new control system, it is easy to control making the most of tamper proof controls in community areas.

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