

**Uponor involvement**

42,000sqm

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With the high-end positioning of the project, the property developers appointed Uponor as their radiant heating system supplier. In order to meet their requirements of high comfort, convenient maintenance, energy saving and environmental protection, Uponor chose 16*2.0 PE-RT and brass manifold.

Uponor PE-RT made from pure imported raw material with Claus Maffei extrusion equipment. The whole process is also equipped with INNOX ultrasonic size monitoring system, entirely control quality. Compared to ordinary PE-RT, Uponor PER-T has better thermal stability, long-term pressure resistance and chemical resistance, so it’s not easy for Uponor PE-RT to rust or fouling. It fully meet the GB/T28799 standard. Uponor PE-RT is flexible and easy to coil. Its thermal conductivity is 0.4W/m.k, which is the fastest heat transfer plastic pipe in ground radiant heating system.

Uponor UBC brass manifold is modular designed, the two segment uses internal and external thread connections to make the connection stronger. Each loop is equipped with a balance valve and the valve can be preset with an inner six angle spanner. Each type of the house can be matched with different number of interface and loop in order to minimize the energy consumption and save the later maintenance cost for the owner.

Compared with traditional heating system, Uponor system can save 12% energy and operating cost. Uponor PE-RT also have 50 years of service life and provide a reliable international quality guarantee for the project.

During the whole construction process, Uponor engineers and sales communicate with designers and installers actively, which avoid many mistakes of installation. Also they contact taicang factory actively to ensure the project go smoothly ,safety and comfort. Finally, Uponor won compliment from all concerned team.

**Project Facts:**

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| Location | Completion |
| Shanghai, China | 2018 |
| Vrsta objekta | Product systems |
| Multifamily homes | Površinsko grejanje i hlađenje,<br>Sistem fleksibilnih cevi |
| Project Type | |
| New building | |

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