

Références

Alibaba headquarters

Implication d'Uponor

5,000sqm

Alibaba headquarters

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Connaissance du projet

Location
Hangzhou, China

Achèvement des travaux
2016

Type de construction
Bâtiment tertiaire

Product systems
Systèmes rayonnants rafraîchissants

Type de projet
Nouveau bâtiment

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The design of the building is in accordance with the LEED gold certification standards. In order to develop the spirit of continuous innovation, the owners require all building materials to have energy saving and environmental protection effects. We use PE-Xa and stainless steel manifolds to provide ground radiation heating and cooling system for the building. Uponor PE-Xa has high flexibility and good wear resistance, which can stand the harsh conditions in construction site. It can also stand high temperature and high pressure. Uponor is the first company to produce PE-Xa pipe by engel process. Uponor PE-Xa pipe has five layers. It has two more layers then the other PE-Xa pipe on the market.

The base layer is crosslined, which is produced according to the requirements of PE-Xa pipe standard. It has the characteristics of durability, impact resistance and stress cracking resistance. The second layer acts like an adhesive to the base layer and the third oxygen barrier. The third layer prevents oxygen from penetrating into the radiant heating and cooling system. The fourth layer acts as a bond between PE outer protective layer and the oxygen barrier. The fifth PE layer is an outer protective layer to prevent the pipe from the damage caused by the leakage of oxygen, especially when installing on the surface of the concrete floor.

Uponor stainless steel manifold has the advantages of high corrosion resistance, high sanitation and stronge impact resistance. The coefficient of thermal expansion is close to that of brass. The valve can be rotated and is easy to connect the drain pipe.

Uponor system is extremely safe and reliable, almost free of maintenance, making it the first choice of ground radiant heating and cooling system.

We actively cooperate with on-site construction team. The customers are very satisfied with the concise design style of the whole space that create a comfortable and pleasant office environment for employees.

Alibaba headquarters









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