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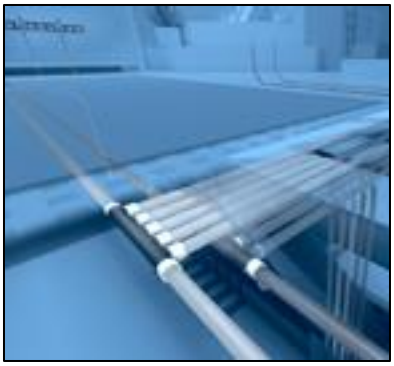
Uponor Commercial PEX-a Piping Systems

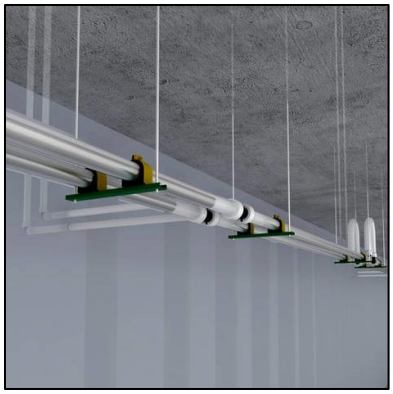
Radiant Heating and Cooling

Uponor (formerly Wirsbo) was the first to bring radiant floor heating to North America more than 40 years ago. Today, Uponor is the leader in radiant heating and cooling systems for commercial and residential structures. Hydronic radiant systems circulate warm or cool water through crosslinked polyethylene (PEX-a) tubing embedded in the slab or under the floor, offering superior comfort with the greatest energy efficiency and indoor air quality available.



Plumbing

Uponor plumbing systems feature flexible, durable AquaPEX® pipe which resists corrosion, pitting and scaling, eliminates water hammer and singing pipes, dampens rushing water noise and is highly freeze resistant. This pipe, coupled with Uponor's unique ProPEX® expansion fitting system and extensive line of engineered polymer (EP) and lead-free (LF) brass fittings, offers the highest-quality plumbing system available.



Hydronic Distribution

Using Uponor PEX-a for chilled water and heating hot water distribution is a very durable, cost-effective solution for transporting water to terminal units such as chilled beams and fan coil units. Uponor even offers a PEX-a Pipe Support steel channel for suspended piping applications that enables hanger spacing equal to that of copper. In fact, Uponor's suspended piping assembly with Uponor PEX-a Pipe Support, Uponor's PEX-a pipe, ProPEX connections and ProPEX engineered polymer (EP) fittings is listed to ASTM E84 for use in plenum applications without the need for insulation, making it an even more cost-effective and specifiable solution.

Pre-insulated Pipe

Uponor Ecoflex® pre-insulated pipe systems offer flexible, plastic distribution piping for a variety of underground hydronic heating, cooling and potable-water applications. The system consists of PEX-a or HDPE service pipes protected by multilayer PEX-foam insulation and covered by a waterproof, corrugated HDPE jacket. The end result is a highly durable product that can easily and effectively maneuver around obstacles for fast, efficient underground installations and provide systems that more effectively keep hot water hot and cold water cold.