



VIPERT™ Radiant System – Flexibility for easier & faster installations, Superior Performance with Eco-Friendly Benefits

VIPERT™ Radiant (OXY Barrier) Tubing is engineered specifically for radiant plumbing systems. Made from Polyethylene of Raised Temperature Resistance (PE-RT), it boasts a proven worldwide track record of over 40 years.

Installers across North America choose VIPERT Radiant for its exceptional flexibility, which ensures easier and faster installation. With versatile connection options—including crimp, expand, or push-fit methods—and a commitment to sustainability through 100% recyclability, VIPERT Radiant stands out as the tubing of choice for modern, efficient plumbing solutions.

This advantage in the tubing comes from tie-chain technology (non-cross-linked) that enables PE-RT to achieve higher hydrostatic design ratings* and superior mechanical properties compared to any PEX.

* Plastic Pipe Institute Technical Report – 4



VIPERT™ Radiant (PE-RT) vs PEX-a & PEX-b, Oxy Barrier

Features		PEX-a	PEX-b
Approved Distribution Piping material for Canadian Hydronic Heating Systems. ¹	✓	✓	✓
Pressure & Temperature Ratings 200 psi at 73°F (23°C)	✓	✗ ²	✗ ²
Fire & Smoke Ratings ASTM E84 and CAN/ULC S101/102.2	✓	✓	✓
UV Resistance	✓	✓	✓
Compatible with Cold Expansion	✓	✓	✗
100% Fully-Recyclable	✓	✗	✗
Superior Flexibility for Easy Bending	✓	✗ ³	✗ ³
Greater Relaxed Memory When Uncoiled	✓	✗ ⁴	✗ ⁴
25-Year No Nonsense Warranty	✓	✗ ⁵	✗ ⁵

¹ ASTM F2623 PE-RT tubing is listed as an equivalent option to ASTM F876 PEX for non-potable applications per CSA B214.

² Plastic Pipe Institute (PPI) Technical Report-4 listings were used for these calculations. Most PEX tubing are rated to 160 psi at 73°F (23°C).

³ VIPERT™ (PE-RT) Radiant is manufactured with a Specific Gravity of 0.93, to bend easily for more controlled installations, reducing time, effort, and the risk of kinking.

⁴ PE-RT exhibits more flexibility compared to PEX-a and PEX-b. VIPERT's improved stress relaxation reduces the tubing's tendency to revert to its original coil, unlike PEX.

⁵ Most manufacturers offer 25-years but only if using their proprietary fittings, CB SUPPLIES proudly stands behind its VIPERT™ System, offering peace of mind with a comprehensive 25-year system warranty, available at cbsupplies.ca/vipert.

