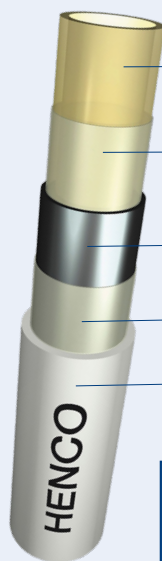




Henco PEX-AL-PEX

Proven Performance Benefits

- ✓ Butt welded aluminum layer
- ✓ 100% oxygen tight
- ✓ High delamination resistance (ex. 55N/m)
- ✓ Low coefficient of linear expansion (comparable to copper)
- ✓ Resistant to corrosion, chemical and electro-chemical impacts
- ✓ PE-Xc electron beam crosslinked inner and outer tubing
- ✓ Increased thermal conductivity
- ✓ High resistance to pressure and temperature
- ✓ Smooth surface – low loss of pressure
- ✓ Flexible, easy to bend even at low temperatures, retains shape after bending
- ✓ Tubes are detectable because of the aluminum inner layer



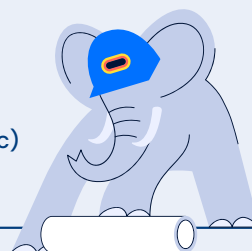
Crosslinked Polyethylene (PE-Xc)
Physical crosslinking C (Xc)

Adhesive layer

Aluminium (AL)
Butt welded

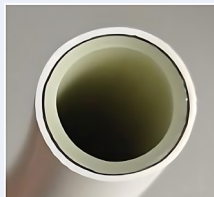
Adhesive layer

Crosslinked Polyethylene (PE-Xc)
Physical crosslinking C (Xc)



Thermal Conductivity coefficient is 13% higher

- ✓ The aluminum layer in PEX-AL-PEX tubing increases the overall thermal conductivity over other PEX tubing by 13%
- ✓ Up to 10% increase in BTU/hr
- ✓ Increased energy efficiency
 - ✓ Faster response time
 - ✓ Lower water temperature to achieve same output
 - ✓ Higher output at same water



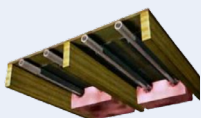
Oxygen is an enemy of hydronic systems

- ✓ Dissolved oxygen causes corrosion to system components
- ✓ Oxygen permeates through concrete and PEX
- ✓ Other PEX tubing has oxygen barriers that are not 100% oxygen tight
- ✓ The aluminum layer provides a 100% oxygen barrier in Henco PEX-AL-PEX tubing
- ✓ PEX-AL-PEX is the only tubing that can keep oxygen levels to the Building Services Research and Intelligence Association (BSRIA) recommended levels



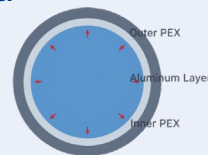
Henco PEX-AL-PEX tubing expands 85% less than other PEX tubing

- ✓ Henco PEX-AL-PEX expands 0.156" per 100ft per 10°F
- ✓ Other PEX expands 1.1" per 100ft per 10°F
- ✓ More expansion means more stress on tubing and fittings when encased in concrete
- ✓ More expansion equals ticking noises in sleeper systems or between joist installations
- ✓ As other PEX expands or contracts before concrete pour, it can float up and pop out staples or flex wire grids



Henco PEX-AL-PEX tubing has an 81% higher pressure rating than other PEX tubing

- ✓ Henco PEX-AL-PEX is rated for 145psi at 203°F
- ✓ Other PEX is rated for 80psi at 200°F



Cost savings for Henco PEX-AL-PEX installation

- ✓ Henco PEX-AL-PEX retains its shape when you uncoil it and does not try to coil back up
- ✓ Use less staples or wire ties
- ✓ Use less labor – less manpower & overall time

More information at www.henco.be
or register **for free** at www.MyHenco.com.