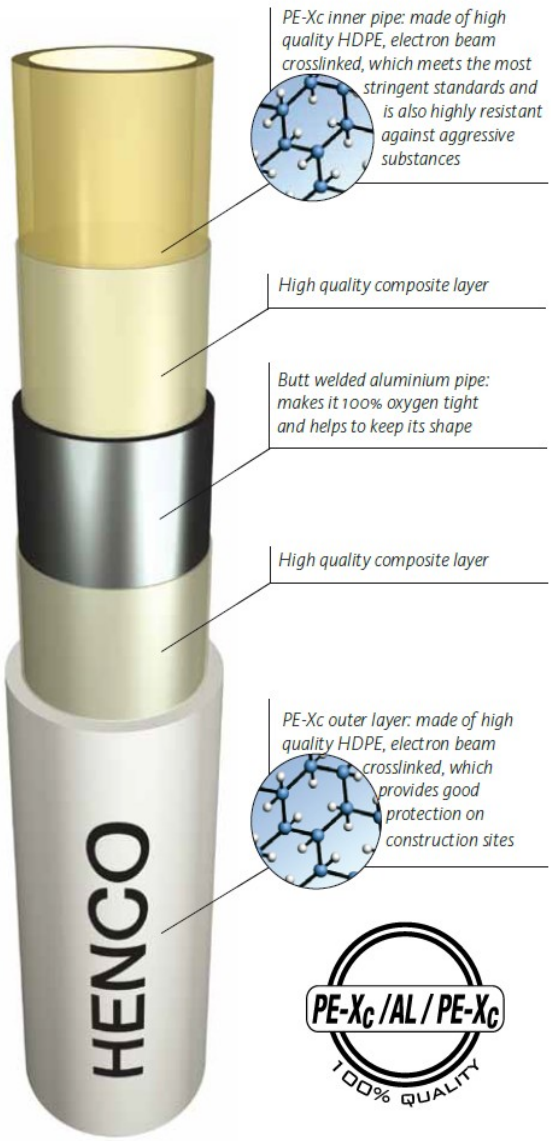
HENCO Multilayer Pipe PE-Xc/Aluminium/PE-Xc

HENCO with all the advantages of plastic and metal

- Butt welded aluminium pipe
- 100% oxygen-tight and water vapour diffusion tight
- Low coefficient of linear expansion, similar to metal pipe
- Entirely corrosion-resistant, also resistant against chemicals and electrochemicals
- Sound-insulation similar to entirely plastic pipe
- Electron beam crosslinked inner and outer pipe
- High resistance to pressure and temperature
- Smooth surface, less loss of pressure
- Light as plastic piping
- Flexible, easy to bend even at low temperatures, retains shape after bending



Heating and cooling

Drinking water

Rainwater

Gas

Compressed air

Fuel oil

Technical Profile Henco Multilayer Pipe

Diameter (mm)	14	16	16 RiXc	18	18 RiXc	20	20 RiXc	26	26 RiXc	32	40	50	63
Inner diameter (mm)	10	12	12	14	14	16	16	20	20	26	33	42	54
Wall thickness (mm)	2	2	2	2	2	2	2	3	3	3	3,5	4,0	4,5
Thickness aluminium (mm)	0,4	0,4	0,2	0,4	0,2	0,4	0,28	0,5	0,28	0,7	0,7	0,9	1,2
Max. working temperature (°C)	95	95	95	95	95	95	95	95	95	95	95	95	95
Max. working pressure (bar)	10	10	10	10	10	10	10	10	10	10	10	10	10
Thermal conduction (W/mK)	0,43	0,43	0,43	0,43	0,43	0,43	0,43	0,43	0,43	0,43	0,43	0,43	0,43
Linear expansion (mm/mK)	0,025	0,025	0,025	0,025	0,025	0,025	0,025	0,025	0,025	0,025	0,025	0,025	0,025
Surface roughness of inner pipe (µ)	7	7	7	7	7	7	7	7	7	7	7	7	7
Oxygen diffusion (mg/l)	0	0	0	0	0	0	0	0	0	0	0	0	0
Min. bending radius manual / external spring (mm)	5xDu	5xDu	8xDu	5xDu	8xDu	5xDu	7xDu	5xDu	7xDu	*	*	*	*
Min. bending radius with internal bending spring (mm)	3xDu	3xDu	8xDu	3xDu	8xDu	3xDu	5xDu	3xDu	5xDu	*	*	*	*
Crosslinking / inner and outer pipe (%)	60	60	60	60	60	60	60	60	60	60	60	60	60
Weight (kg/m)	0,108	0,125	0,101	0,132	0,118	0,147	0,129	0,261	0,252	0,39	0,528	0,766	1,155
Water volume (l/m)	0,072	0,113	0,113	0,154	0,154	0,201	0,201	0,314	0,314	0,53	0,803	1,32	2,042
Per coil (m)	100 200	50 100 200	100 200	100 200	100 200	100	100	50	50	50	-	-	-
Straight lengths (m)	2-3-4-5	2-3-4-5	2-3-4-5	2-3-4-5	2-3-4-5	2-3-4-5	2-3-4-5	2-3-4-5	2-3-4-5	2-3-4-5	2-3-4-5	2-3-4-5	2-3-4-5

* only use elbows