



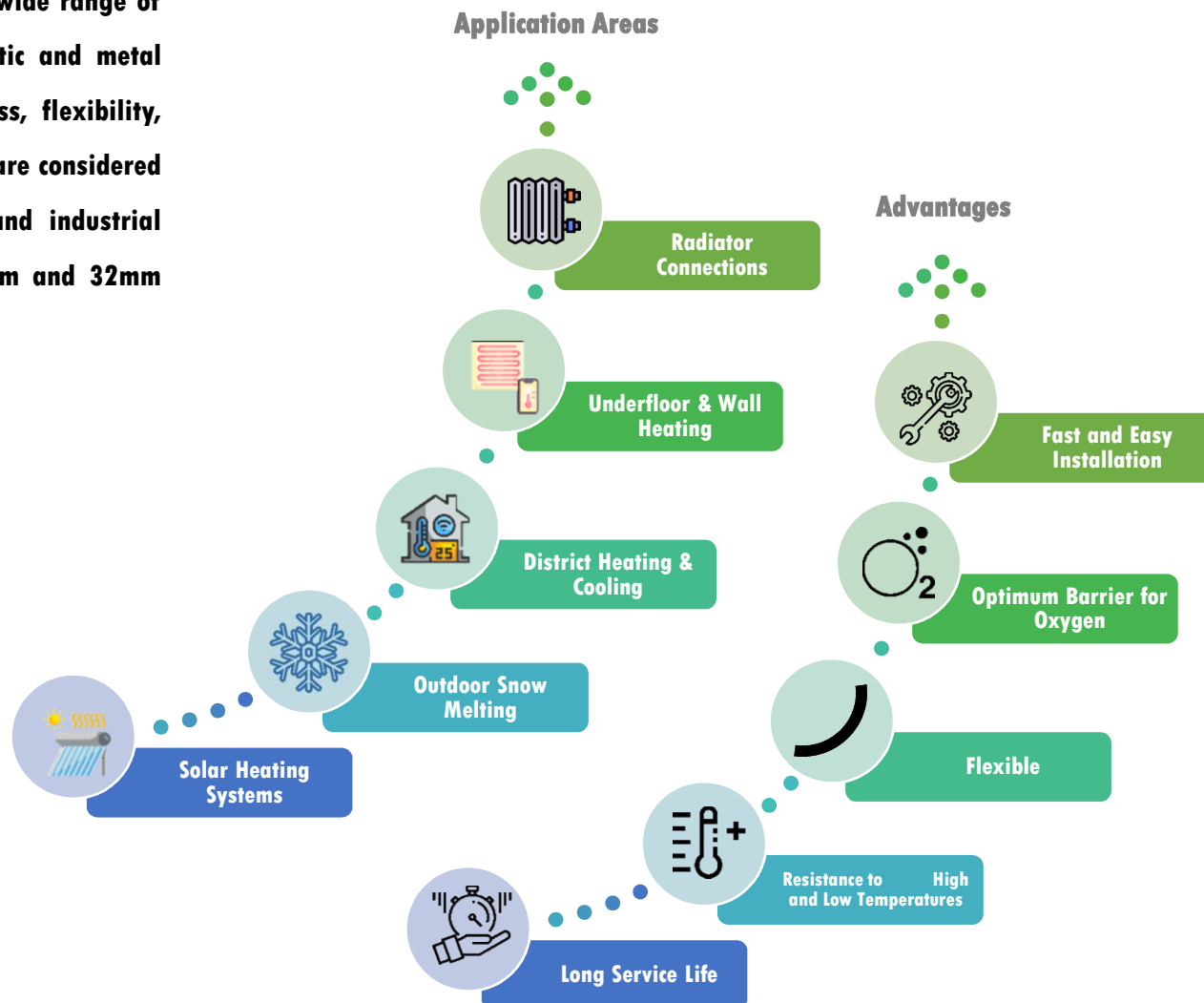
PERT - OXYPERT

HOT & COLD WATER PIPING SYSTEM

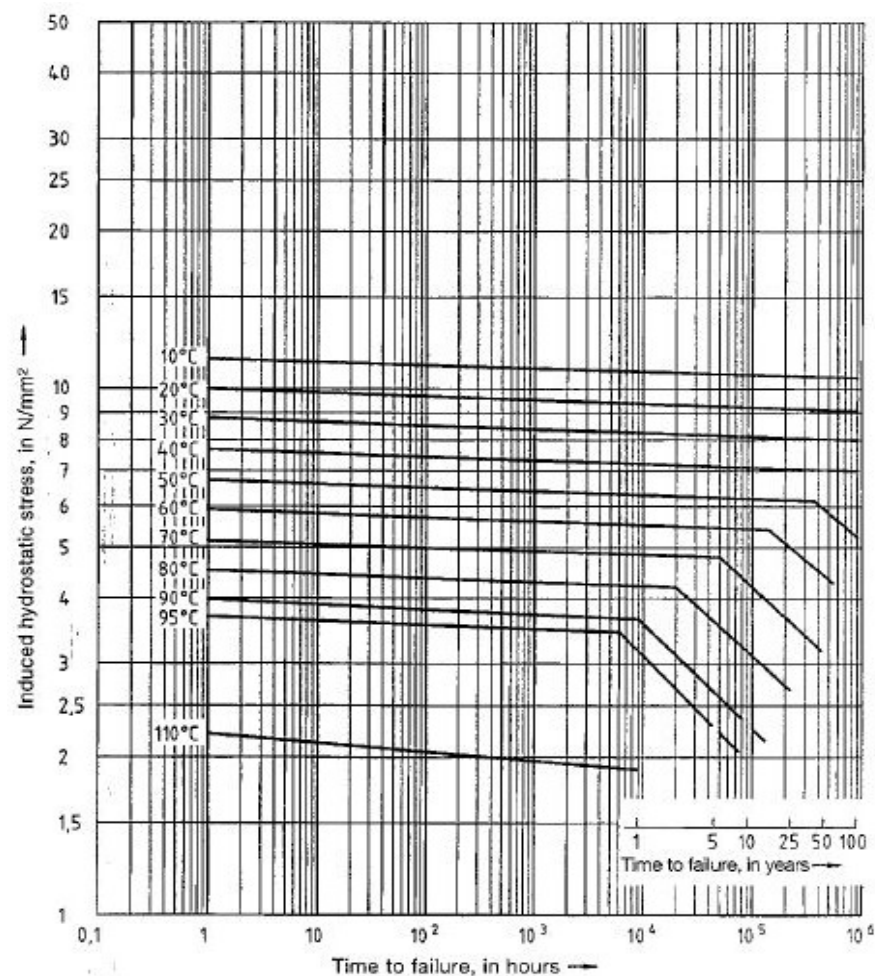
A Leading Brand

in Thermoplastic Piping

VESBO PERT pipes are manufactured from raised temperature polyethylene with advanced polymeric structure which makes them the best solution for a wide range of liquid transportation. The advantages of VESBO PERT over other plastic and metal piping systems, such as high operation temperatures, non-corrosiveness, flexibility, higher impact strength at lower temperatures and speed of installation, are considered the main reasons for being preferred by engineers for residential and industrial projects. VESBO PERT pipes are manufactured in 16mm, 20mm, 25mm and 32mm diameters according to DIN 16833 and ISO 22391 standards.



Permissible Operating Pressures



Properties of PERT Piping Systems

Outer Diameter (mm)	Wall Thickness (mm)	Standard Dimension Ratio	Nominal Pressure	Class of VESBO PEX Pipes	Coil Length (m)
16	2.0	SDR 9	PN 16	1/8; 2/8; 4/10; 5/8	160, 200, 400, 500, 600
	2.2	SDR 7.4	PN 20	1/10; 2/10; 4/10; 5/10	
17	2.0	SDR 8.5	PN 16	1/8; 2/8; 4/10; 5/8	160, 200, 400, 500, 600
	2.0	SDR 11	PN 12.5	1/6; 2/6; 4/8; 5/6	
20	2.8	SDR 7.4	PN 20	1/10; 2/10; 4/10; 5/10	160, 200, 400, 500
25	2.3	SDR 11	PN 12.5	1/6; 2/6; 4/8; 5/6	160, 200
32	2.9	SDR 11	PN 12.5	1/6; 2/6; 4/8; 5/6	160, 200

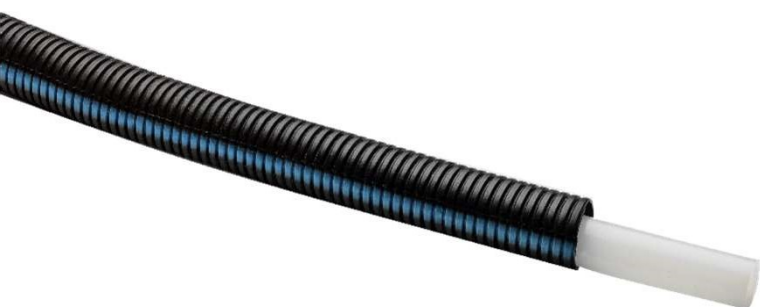
Features	Test Method	Unit	Value
Density	DIN 53 497	g/cm^3	0.94
Elastic Modulus	ASTM D790	N/mm^2	620
Melt Index (190°C)	2.16 kg 5 kg	ASTM D1238 g/10 min	0.14 0.45
Elongation at Break	ASTM D638	%	850
Tensile Strength at Break	ASTM D638	kg/cm^2	430
Impact Strength	DIN 53453	m.J.mm^2	No cracking
Vicat Softening Temperature	ASTM D1525	°C	122

- Class 1 (70 °C / 8 bar)
- Class 2 (70 °C / 8 bar)
- Class 4 (60 °C / 10 bar)
- Class 5 (60 °C / 8 bar)

- ✓ Ethylene Vinyl Alcohol ("EVOH") Oxygen Barrier with excellent gas barrier properties that limits oxygen diffusion through the walls of the tubing.

- ✓ Designed to be compatible with PERT and EVOH layers and creates a superb adhesion between layers

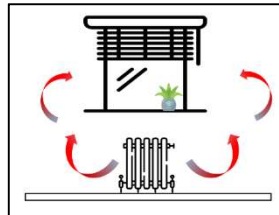
- ✓ A high-temperature flexible plastic pressure pipe with a 35 year history of successful use in the European market with extensive testing for durability and material performance, made of cross-linked high density PERT.



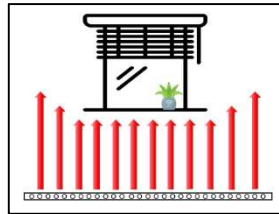
Excellence in Heating

VESBO PERT pipe, influences the radiant exchange by warming the interior surfaces. The heating of the surfaces suppresses body heat loss resulting in a perception of heating comfort.

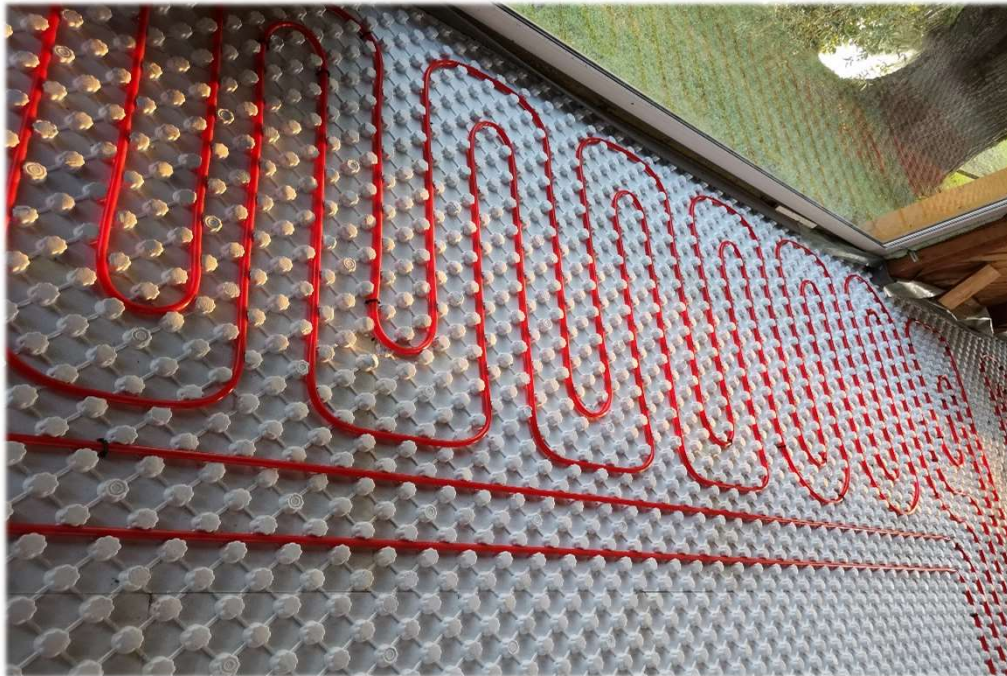
So it's perfect for human comfort - you won't get cold feet and you will keep a cool head!



Radiator Output



Underfloor Output



Together, we are strong enough!

VESBO is committed to the betterment of housing and living needs, and the advancement of wellbeing.





LOCATIONS



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* In Alphabetical Order by Country Names



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