

# Qual-PEX ECO

PRE-Insulated Qual-PEX.  
From Quality Plastics Limited, Ireland's leading manufacturer of Heating & Plumbing solutions.



## Product Description:

Pipelife is Ireland's leading manufacturer of Heating & Plumbing solutions for over 40 years. Qual-PEX ECO is a cross linked high-density polyethylene plastic plumbing pipe developed for hot/cold water service conditions. It is insulated with a high quality CFC-free and HCFC-free, blue flexible closed cell polyethylene pipe insulation. It has been designed to save time, money and energy costs and will improve the energy rating (BER) of any building.

## The Pipe: Approvals & Testing.

**Qual-PEX** is a cross linked high-density polyethylene. It is IAB certified and is manufactured, tested and certified according to the German Standard DIN 16892 and the British Standard BS 7291 Class S, which are the most stringent European standards for crosslinked polyethylene pipe used for central heating, and hot/cold water systems. The pipe meets the requirements for Class 5 service conditions specified in Table 1 of EN 12318 for service life of 50 years. It has an EVOH oxygen barrier within the pipe wall. It has maximum service conditions of 92°C at 3Bar with short term overloads up to 114°C.

## The Insulation:

Tubolit is a high quality insulation with a low thermal conductivity. It is highly efficient in energy conservation and frost protection. It is non fibrous and creates no dust during installation or use. It has a durable PE-film covering allowing maximum protection against water penetration and maximum bonding with concrete. It is also designed to give mechanical protection for in-wall cavity pipelines, which includes resistance to building materials and has a pleasing coating for exposed areas.

Performance Characteristics		
Thermal Conductivity	0°C	0.035 W(m - K)
	40°C	0.039 W(m - K)
Wall Thickness of Insulation	9mm	STANDARD
	13mm	AVAILABLE TO ORDER ONLY
	19mm	
Density	25kg/m <sup>3</sup>	

## HEAT LOSS RATES (in W/M)

Hot Water Line Temp. 60 °C - Ambient Temp. 15 °C

Pipe Size	Insulation Wall Thickness			
	0mm	9mm	13mm	19mm
1/2"	33.38	11.67	9.76	8.14
3/4"	39.93	13.48	11.16	9.21

Central Heating Line Temp. 75 °C - Ambient Temp. 15 °C

Pipe Size	Insulation Wall Thickness			
	0mm	9mm	13mm	19mm
1/2"	47.87	16.00	13.34	11.11
3/4"	57.28	18.49	15.27	12.57



# Qual-PEX ECO



Please visit our website for more energy saving solutions such as:

Heat Pumps: Ground Source & Air-to-Water

Qual-PEX ECO DUO:  
Insulated twin 1" Qual-PEX Pipes

Underfloor Heating.

And a wide range of other Plumbing and Heating products.

From Pipelife Ireland Ltd.

A pre-insulated Qual-PEX Pipe to save time, money and energy costs for Domestic, Commercial and Industrial applications.

Available sizes of 1/2" & 3/4" in 50m Coils.

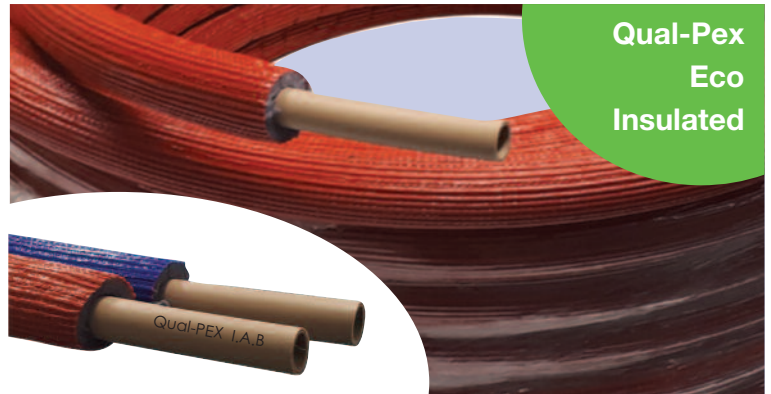
Certified for use with Qual-Fit, Tectite and compression fittings.

Manufactured in Ireland.

50 Year guarantee.

Available through all leading merchants.

Use Qual-PEX inserts only.



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