



QUAL-PEX PLUS+ 'EASY-LAY' ECO DUO

PRE-Insulated and Ducted Qual-PEX Plus+ 'Easy-Lay' for Local & District Heating from Pipelife, Ireland's leading manufacturer of Heating & Plumbing Solutions.

Benefits:

- Irish size pipe eliminates the need for expensive adaptors
- Use with standard 1" compression fittings & Qual-PEX inserts
- Manufactured in IRELAND
- 50 year guarantee
- Available in coils of 100m
- Coils can be cut to order
- Range of end caps & junction covers available
- Available in all leading Merchants

Product Description:

Two pre-insulated, 1" Qual-PEX Plus+ 'Easy-Lay' Pipes encapsulated in 110mm of high performance insulation protected within a corrugated PE-HD twin wall outer casing for maximum protection. Delivering industry leading thermal insulation properties using Ireland's leading plumbing and heating pipe. Qual-PEX Plus+ 'Easy-Lay' ECO Duo has been designed to simplify and speed up installation by utilising standard Irish size fittings and pipe and to greatly enhance energy conservation, thus reducing energy costs.

The Pipe: Approvals & Testing

Qual-PEX Plus+ 'Easy-Lay', in particular, produced in both 'white / metric sizes', and 'traditional tan coloured imperial sizes', is manufactured to 'IS EN 21003', and has been designed to provide the plumbing professional with a 'universal piping solution'. Other relevant certifications / approvals, applicable to the 'Qual-PEX Pipe Family', include Irish Agrément Board, BS7291, and WRAS.

APPROVED PIPE SERVICE CONDITIONS:

- 12 Bar @ 20°C
- 4 Bar @ 82°C
- 3 Bar @ 92°C

Installation:

Consists of micro-cellular cross-linked polyethylene foam with a closed cellular structure, permitting low water vapour diffusion with good insulation resistance to extreme temperatures. Moreover, Qual-PEX Plus+ 'Easy-Lay' ECO Duo maintains these high insulation properties over time. This is due to the superior characteristics of the cross linked PE foam, compared to other insulation materials (e.g. PUR foam) which show a decline in their insulation capabilities over time. Its unique moving layers design allows maximum flexibility and very easy installation.

Description	Value	Standard
Density	28 kg/m ³	ISO 845
Tensile Strength	270kPa	ISO 1926
Water Absorption	<1.0 %	ISO 2896
Thermal Conductivity	0.036 W/mK	EN 12677
Flammability	B2 Normal	DIN 4102
Recommended Service t°	-50°C up to +95C	

The Insulation

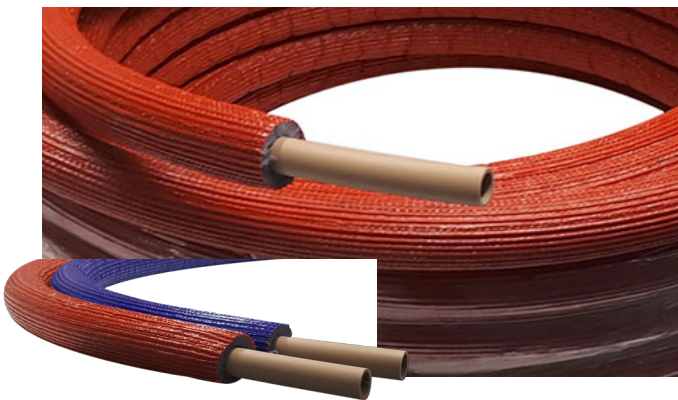
There are no special tools or fittings required as the 1" Qual-PEX Plus+ 'Easy-Lay' pipes will fit with standard 1" compression fittings that can be bought in any Hardware outlet. Simply dig your trench, lay the pipe in a serpentine pattern in the trench and back fill with sandy clay. Allow 1% of the length of the pipe for expansion and contraction. Best practice would be to anchor the pipes at all fitting locations



1. DUO ECO PIPE



2. A) 1" Standard Compression Fitting
B) 1" Irish Size Qual-PEX Pipe



3. Qual-Pex Eco Insulated



4. Qual-Pex Underfloor Heating



5. Qual-Pex Eco Air to Water Heat Pump

Insulation

- Material – CFC-Free, Microcellular cross-linked polyethylene foam with closed cell structure
- Structure – Multilayer sheet foam
- Properties – Aging resistant, water resistant, stable thermal conductivity
- Colour – Grey

Applications:

- Air/Water Heat Pumps
- Geothermal Heat Pumps.
- Wood Pellet Boilers.
- Biomass & Biogas Boilers.
- External Gas and Oil Boilers