



QUAL-PEX METRIC PIPE 'EASY-LAY' ECO DUO - METRIC

Metric Pipe for Local & District Heating from Pipelife, Ireland's leading manufacturer of Heating & Plumbing Solutions.

Benefits:

- Metric size pipe eliminates the need for expensive adaptors
- Use with standard 28mm 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, 28mm Qual-Pex Metric Pipe '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 Metric Pipe 'Easy-Lay' ECO Duo – Metric has been designed to simplify and speed up installation by utilising and to greatly enhance energy conservation, thus reducing energy costs.

The Pipe: Approvals & Testing

Qual-Pex is a crosslinked high-density polyethylene. It 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.

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 Metric Pipe '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.

The Insulation:

There are no special tools or fittings required as the 28mm Qual-Pex Metric Pipe 'Easy-Lay' pipes will fit with standard 28mm 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.

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

- Air-to-Water Heat Pumps
- Underfloor Heating

And a wide range of other Plumbing and Heating products.

The Insulation:

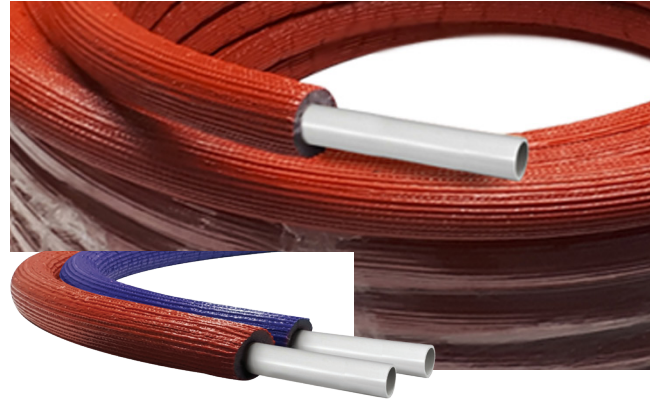
- Geothermal Heat Pumps.
- Wood Pellet Boilers.
- Biomass & Biogas Boilers.
- External Gas and Oil Boilers.

Insulation

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



1. DUO ECO WHITE PIPE



2. Qual-Pex Eco Insulated



3. Qual-Pex Underfloor Heating



4. Qual-Pex Eco Air to Water Heat Pump

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	