



BS 7523:1991 Type A

A flexible pipe insulation manufactured by extrusion of expanded polyethylene material

- Polyethylene Pipe Insulation (Class E Fire Rating Combustible Material).
- Available in Improved Thermal Conductivity (0.034 W/mK at 0°C.)
- Totally CFC & HCFC Free.
- Global Warming Potential (GWP) specified by the "International Panel on Climate Change" requires a reading of less than 5. Climaflex has a reading of zero (0).
- Relevant sizes exceed Water Byelaw 49 requirements (see below).
- Improved Thermal Conductivity availability allows compliance with Water Byelaw 49 by utilising thinner wall thicknesses to ease application in confined areas.
- Improved Thermal Conductivity grade approved by
- BSI Approved Product: Exceeds the requirements of BS 7523:1991.
- Ideal for thermal insulation of pipe work in domestic situations.
- Hygienic Product: rot-proof; odourless and non-hydroscopic. Will not sustain vermin and will not encourage growth of fungi or mould.
- Chemically Neutral.
- Available with one wall thickness completely slit through to ease application.



Quick Guide to Water Byelaw 49	
Pipe Overall Diameter (mm)	Wall Thickness (mm) Improved Thermal Conductivity (0.034 W/mK at 0°C)
15	25
22	19
28	19
35-76	9

Improved Thermal Conductivity Polyethylene Pipe Insulation (Climaflex)

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|--|--|
| • Mean density | 35 kg/m ³ |
| • Temperature range | -50°C to +95°C |
| • Thermal conductivity | 0°C – 0.034 W/mK, 20°C – 0.036 W/mK
40°C – 0.039 W/mK : DIN 52613 |
| • Fire Classification | Combustible Material |
| • Ozone resistance | Good |
| • Thermal transmittance U-value | 9mm 2.86 W/m ² K, 13mm 2.20 W/m ² K,
19mm 1.65 W/m ² K, 25mm 1.53 W/m ² K |
| • Resistance to oils and grease | Good |
| • Meets requirements of BS 7523:1991 | Type A preformed cellular polyethylene (PE) |
| • Materials for the thermal insulation of pipe work | |
| • Satisfies Building Regulations section L1 | |
| • Conforms to the requirements of BSEN806 and BS 8558:2011 | |
| • 1977 specification for the use of thermal insulating materials | |

All statements and technical information are correct at time of printing (Reference 01/11)