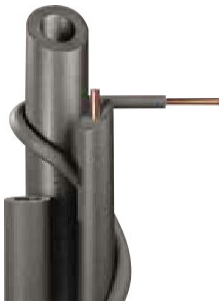
Davant Climaflex Polyethylene Pipe Insulation

A flexible pipe insulation manufactured by extrusion of expanded polyethylene material

- Polyethylene Pipe Insulation (Class P Fire Rating).
- Available in Improved Thermal Conductivity (0.034 W/mK at 0ºc.)
- 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 Energy Action Grants Agency (EAGA) for use under Energy Efficiency Commitment (EEC) Schemes.
- 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.

BS 7523:1991 Type A



Quick Guide to Water Byelaw 49 - The Requirement

Pipe Overall Diameter (mm)	Wall Thickness (mm) Improved Thermal Conductivity (0.034 W/mK at 0ºc)
15	25
22	19
28	19
35-76 and above	9

Improved Thermal Conductivity Polyethylene Pipe Insulation (Climaflex)

· Mean density	35 kg/m3
· Temperature range	-50°c to +95°c
· Thermal conductivity	0°c – 0.034 W/mK, 20°c – 0.036 W/mK
· Fire Classification	40°c – 0.039 W/mK : DIN 52613
· Ozone resistance	BS 476 Part 5 classification P: not easily ignitable
· Thermal transmittance U-value	Good
· Resistance to oils and grease	9mm 2.86 W/m2 K, 13mm 2.20 W/m2 K,
· Meets requirements of BS 7523:1991	19mm 1.65 W/m2 K, 25mm 1.53 W/m2K
· Materials for the thermal insulation of pipe work	Good
· Satisfies Building Regulations section L1	Type A preformed cellular polyethylene (PE)
· Conforms to the requirements of BS 6700 and BS 5422	
· 1977 specification for the use of thermal insulating materials	

Installation

Davant recommends:
Polyethylene Pipe Insulation Clips
Ticki Tape Insulation Tape

Both items can be found in the **Insulation Accessories** section of **our Insulation Product Guide**.

Procedure

After placing the split pipe insulation over the pipe it can be secured using a combination of Pipe Insulation Clips to seal the split and Ticki Tape to join the individual sections together.

Alternatively, Ticki Tape may be used to seal and secure along the length of pipe insulation and also to join the individual sections together by wrapping it around the area where each individual section meets. This method ensures good continuity of insulation throughout the installation.

All statements and technical information are correct at time of printing (Reference 01/13)