



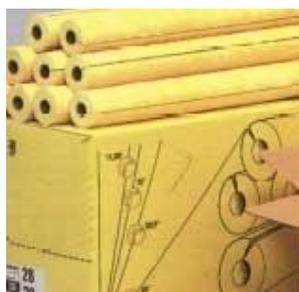
Pipe Sections

Data Sheet 9707

Building Specification

Moy Isover Pipe Insulation is designed to provide thermal and acoustic insulation of pipe work in H&V, air conditioning and industrial applications. It consists of strong yet light weight pre-formed 'snap-on' sections manufactured from non-combustible mineral wool.

Type 1



Moy Isover Plain pipe section is suitable for use with or without site applied finishes, on pipes operating at ambient temperatures and above, up to a maximum of 500°C.

Moy Isover Plain pipe Insulation can be used on pipe work operating with continuous service temperatures of 250°C and over. For service temperatures in the range of 250°C to 500°C our technical department should be contacted for design advice.

Type 2



Moy Isover Foil pipe insulation with a factory applied reinforced aluminium foil 'Class-O' facing incorporating a self adhesive overlap, is suitable for use on pipes operating at below ambient temperatures.

Moy Isover Foil pipe Insulation can be used on pipe work services operating with a maximum temperature of 250°C. The temperature of the facing should not exceed 80°C.

Fire Performance

The base mineral wool of Moy Isover pipe sections is rated 'non-combustible' when tested to BS476: Part 4: 1984, Non-combustibility for materials'. Additionally, the factory applied aluminium foil-facing meets the highest standards required by BS476: Part 6, 'Fire Propagation' and BS476: Part 7, 'Surface Spread of Flame'. Both Moy Isover Plain Pipe Insulation and Moy Isover Foil Pipe Insulation are, therefore, rated 'Class-O' to the Building Regulations.



Thermal Conductivity Mean Temp. °C	Thermal conductivity W/M.K
10	0.032
50	0.035
100	0.043
200	0.062

Density

The normal density of Moy Isover pipe sections is 75kg/m³.

Sound Reduction

Noise levels emanating from pipe work services can be significantly reduced with the use of Moy Isover pipe sections which will help to achieve acceptable environmental noise levels. The degree of sound reduction will depend upon the thickness of insulation used, and the nature of any finish used to over-clad the pipe insulation.

Compatibility with other materials

Moy Isover Pipe Insulation is a chemically inert product, compatible with all materials likely to be used in heating and ventilating, air conditioning, industrial and related pipe work services. The pipe sections contain inherently low levels of chlorides and high levels of stress corrosion inhibitors, such as silicate ions and sodium ions.

Where Moy Isover Pipe Insulation is used, therefore, the effect of these inherent inhibitors, combined with the water repellent additives, helps to prevent chlorides from attacking the surface of austenitic stainless steel pipes.

Durability

Moy Isover Pipe Insulation is a rot-proof, odourless product, which is water resistant and non hygroscopic, and with no capillary tendencies. It does not sustain vermin or encourage the growth of micro-biological organisms such as mould, fungi or bacteria.

Water Vapour Perme

The vapour permeance of the aluminium, factory-applied, foil covering on Moy Isover Foil Faced Pipes Insulation is 0.00024g/(s.MN) and can, therefore, be used on pipework services operating at below-ambient temperatures, as part of a fully sealed system.



Dimensions and Packaging

Moy Isover Pipe Insulation is manufactured in 1.2m lengths and in a range of thicknesses to enable compliance with the recommendations of BS422 and beyond. The pre-formed pipe sections are produced to fit all British Standard steel and copper pipe sizes.

They are supplied in cardboard cartons or strong plastic bags, depending upon sizes. The range of dimensions varies between 15mm inner diameter and 20mm wall thickness to 324 inner diameter and 100mm wall thickness.