

Aluminium Insulated Flexible Ducting

Application

Aluminium Insulated is a range of fully flexible thermally insulated ducting, which has been specially designed for the HVAC market. The ALU-I range has been developed to minimise the heat gain or loss resulting from the temperature differential between the airflow and the surrounding ambient air. The vapour barrier prevents condensation forming on the outside of ducts carrying air at lower temperatures than the surrounding air.

Construction

Aluminium Insulated is constructed with an inner duct of either 25mm fibreglass insulation (**Can be purchased as 50mm, please contact us**) and covered with an outer jacket, which acts as a vapour barrier. The jacket is a spirally produced multi-layer Aluminium/Polyester laminated fabric reinforced with a fibreglass yarn, which provides an outstanding combination of strength and tear resistance.



Advantages

- Supplied in standard 10 metre length, compressed to 1 metre
- Individually boxed
- Easy to connect to either round or oval ducting
- No special tools required for cutting or fixing
- In the event of a fire no toxic gases are emitted
- The products have been successfully tested for fire resistance and conforms to BS476 Parts 6, 7 & 20

Technical data

Inner duct - Aluminium Uninsulated Flex

Insulation 16kg/m³ - Fibreglass 25mm*

Diameter range (mm) - 80-610

Temperature range °C -30/+140

Maximum air velocity - 30m/sec

Max. positive working pressure - 2500pa

Standard length - 10 metre

Packing - Individual box of 1 metre

Clamping - Lightning Band, Stainless Steel Clamps, Nylon Clamps and Quick Release Clamps

* Also available with 50mm insulation