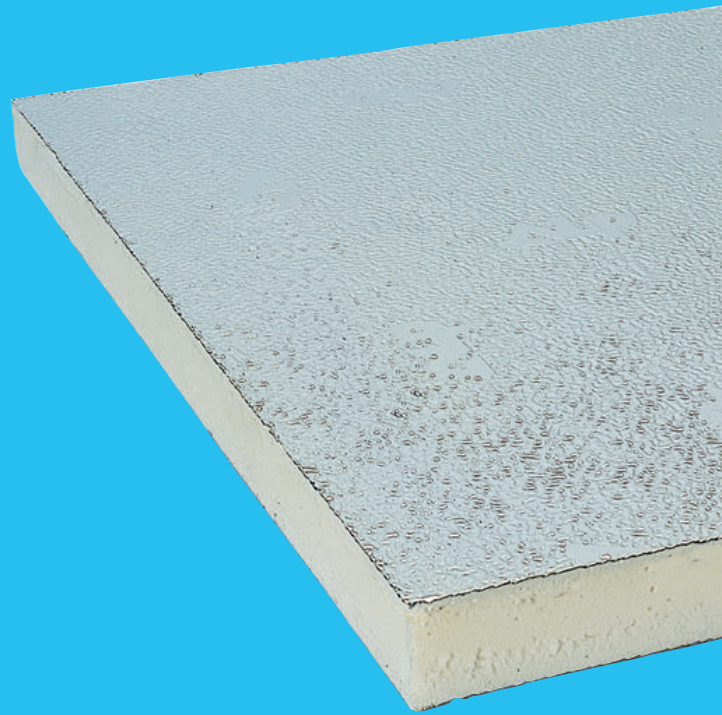


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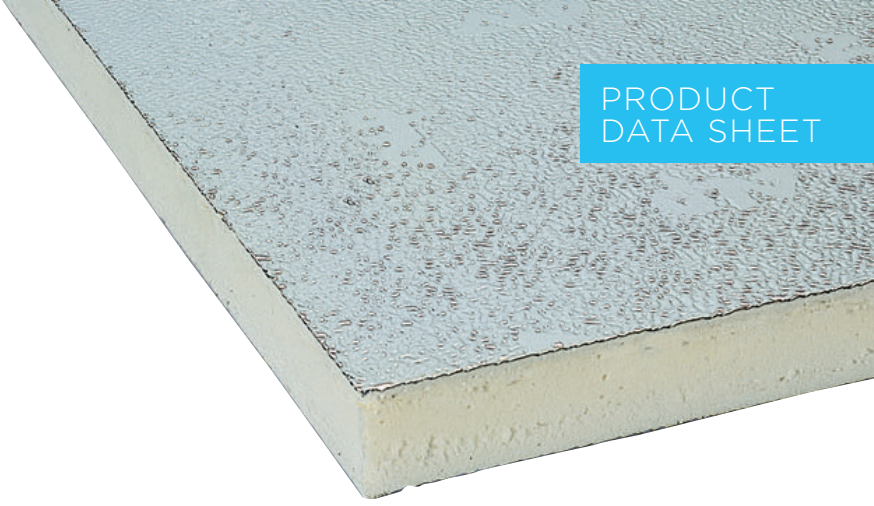


PRINCI

aluminium pre-insulated ducts

PIB21
PIB30
PIB42

idealairgroup.com.au



Aluminium PRE-INSULATED DUCTS

Aluminium pre-insulated ducts, for heating, ventilation and air conditioning air distribution systems.

Advantages

- Long duration granted by the characteristics of the aluminium foil (absolutely no rust or other type of deteriorations)
- No fibers release or dispersion
- Very high thermal insulation
- Outdoor installation without any additional protection
- Excellent air tightness
- Resistant to high pressure of the air (positive and negative)
- Resistant to salty atmosphere
- Easy access for maintenance
- Easy cleaning (water washing, brushing or disinfection)

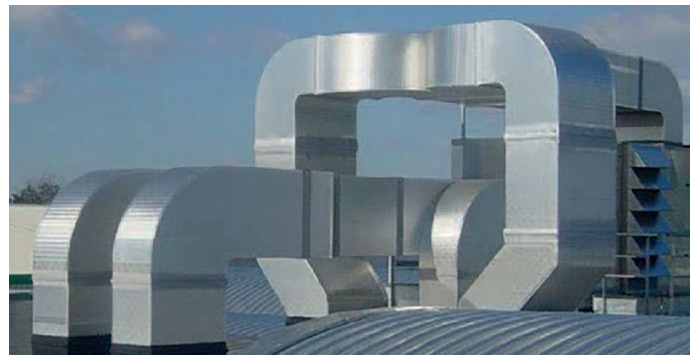
Fabrication

Our air ducts are fabricated using a rigid polyurethane foam board, faced on both side by an aluminium foil.

- Panel thickness: 21mm, 25mm, 30mm, 42mm and 64mm
- Rigid polyurethane foam, closed cells, density 48kg/m³ without CFC-HCFC-HFC
- Internal facing: Aluminium foil 60, 80, 200 or 500 micron thickness, treated with 3g/m of epoxy varnish as protection against weather agents and UV rays
- External facing: Aluminium foil 60, 80, 200 or 500 micron thickness, treated with 3g/m of epoxy varnish as protection against weather agents and UV rays

Fire Rating

- AS1530.3: Class 0,0,0,0
- UL 181.11



Application

Realisation of HVAC air distribution systems (supply, return, exhaust, fresh air) to be installed indoor and outdoor, especially in the following projects:

- Hospitals and operating suites
- Clean rooms and pharmaceutical industry
- Food industry
- Shopping malls/centers
- Swimming pools

Technical Characteristics

- Thermal resistance and thickness:

21mm	R	0.99m ² k/w
25mm	R	1.20m ² k/w
30mm	R	1.50m ² k/w
42mm	R	2.00m ² k/w
64mm	R	3.00m ² k/w
- Nominal pressure:

Positive:	2.000 Pascal
Negative:	-2.000 Pascal

Product Specifications

Pressure (Pascal)	Class
-750	C
400	C
1000	B
2000	B

Performances reached with a "standard" fabrication.

Temperature (°C)	Air Velocity (m/sec)	Pressure (Pascal)
+110 / -35	30	2000