



Product Name	: Pre-insulated ducting panels
Model	: FD103
Product Brand	: 1st Duct
Manufacturer	: PT. Air Duct Panelindo Division
Origin	: Indonesia
Composition	: Closed-cell PIR (polyisocyanurate) foam core with pure aluminium foil on both sides
Use for	: HVAC ductwork fabrication
Dimensions	: 20mm thick, 1.20m wide and 2.90m or 4.00m long
HS Code	: 392113

Physical Characteristics

Face or Side	Material	Characteristic
Outer side of duct	Pure aluminum - embossed	80 microns thick
Core	PIR - polyisocyanurate	Closed cell
Inner side of duct	Pure aluminum - smooth	80 microns thick

Technical Specifications

Density	50 Kg/m ³ (+/- 3)*	Standard Test Method
Thermal Conductivity	0.021 W/mk	ASTM C518
Water Absorption	0.00 perm/inch	ASTM C209
Rigidity	R4	EN 13403
Tightness	Clase C	EN 13403
Positive Pressure	1,000 Pa	EN 13403
Negative Pressure	750 Pa	EN 13043
Fungi Activity	Resistant	EN 13403

Standard Compliance related to Fire Reaction

NFPA 90A and 90B	Class A	ASTM E 84
Euroclass	BS2D0	EN 13501-1

* Weight of panels: 3.48 Kg (2.90m long panel) and 4.80 Kg (4.00m long panel)

Panels per pack: 5

Warranty	: 10 years from the manufacturing date printed on the panel.
Storage	: Avoid humid and dusty environments. Do not expose to direct sunlight. Stack up to 475 panels. Do not place heavy objects on top of the panels.
Tech Support Contact Center	: info@incoairltd.com
Final disposal	: According to local and/or municipal regulations and/or regulations.

DISCLAIMER

Incoair Industries Ltd. are not responsible for any damages or improper use arising from the application of this product. The user is responsible for verifying its suitability for each specific case. We reserve the right to modify the information contained in this TDS without prior notice.