

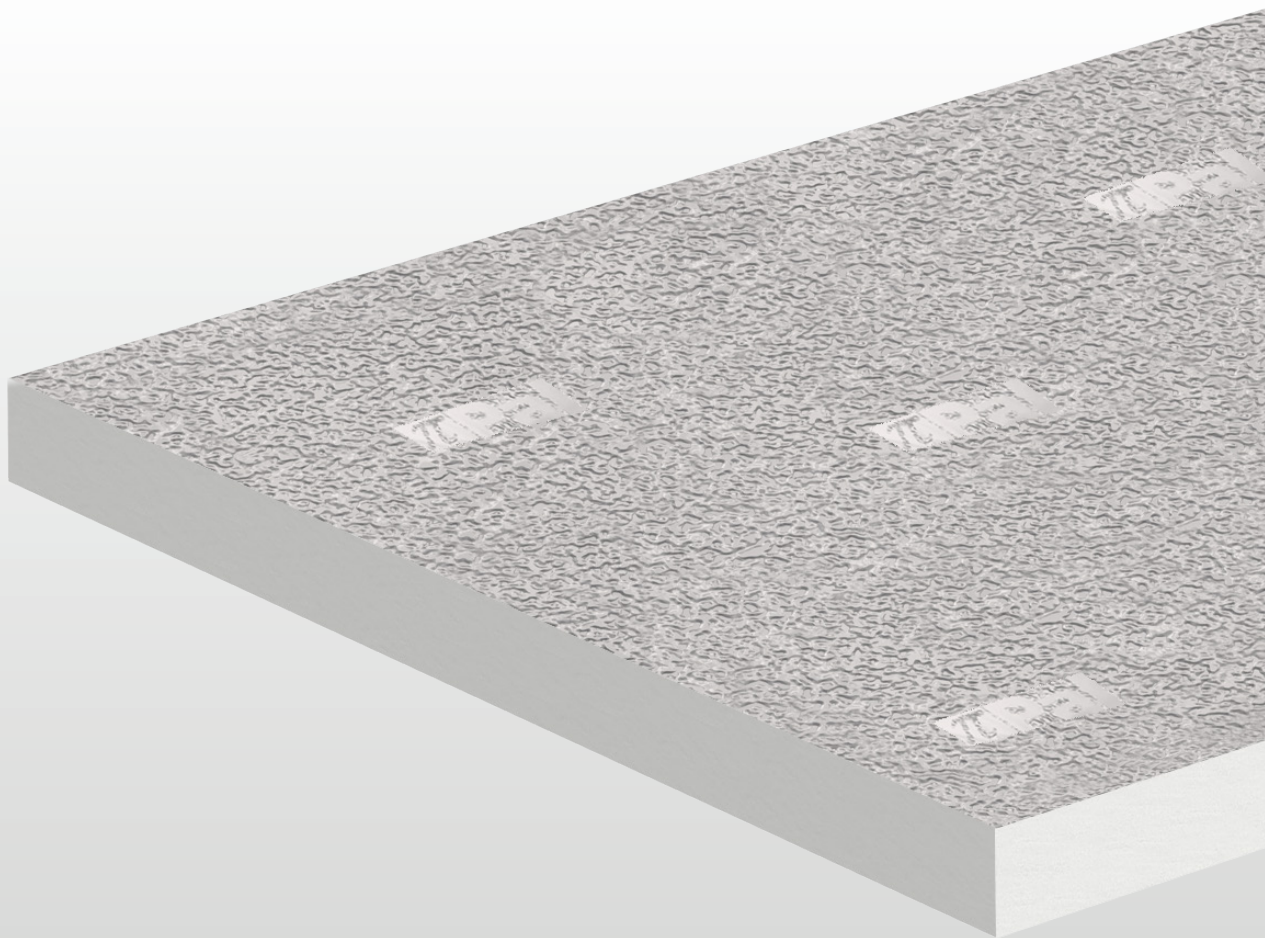
Insulation



PalDuct™ PIR System

Technical Data Sheet

Product Code: 1010



Fibre-free
Core


Kingspan®

Product Information

Kingspan PalDuct PIR Panels

Kingspan PalDuct PIR Panels comprises of rigid thermoset polyisocyanurate (PIR) insulation core, faced on both sides with an embossed aluminium foil. The fibre-free core is manufactured with a blowing agent that has zero ODP (contains no CFC and HCFC) and GWP ≤ 5 .

Property	Value
Product Code	1010
Product Thickness (mm)*	20
Panel Dimensions (mm)*	4000 x 1200
Min. Density (kg/m ³) (EN 1602:2013)	45
Thermal Conductivity (W/m.K) @ 10°C (ASTM C518-21)	0.022
Aluminium Foil Finish	Embossed / Embossed

* Standard manufacturing tolerance may apply, for more information contact Kingspan Insulation technical service.

Certifications & Compliance

Kingspan PalDuct PIR System is manufactured to the highest standards under a management system certified to ISO 9001: 2015 (Quality Management System), ISO 14001: 2015 (Environmental Management System), ISO 45001: 2018 (Occupational Health and Safety Management System) and ISO 37301:2021 (Compliance Management System).

Product Description

The Kingspan PalDuct PIR System is a pre-insulated rectangular HVAC ductwork system.

The system comprises Kingspan PalDuct PIR panels, fabrication methods, coupling systems and a complete line of accessories to produce ductwork in sections up to 4 m long.

Operating Recommendations

It is recommended that ductwork fabricated from the Kingspan PalDuct PIR System is used for operation as supply, return, fresh and exhaust air ductwork for HVAC systems.

Application Suitability

The Kingspan PalDuct PIR System is designed for use in building services / HVAC applications. It is suitable for both new build and refurbishment projects in the residential, commercial, public, light industrial and leisure sectors. It is especially suitable for use on high specification projects where insulants with a fibre-free core may be preferred, for instance:

- the food, beverage and pharmaceutical industries;
- clean air and hygiene controlled environments;
- high relative humidity environments;
- swimming pools;
- non-ferrous applications; and
- sterile areas of hospitals and communication/server rooms in data centres.

Fabrication and Installation

The Kingspan PalDuct PIR System should only be fabricated by specially trained fabricators who have completed the specialised and comprehensive training course provided for the System.

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