

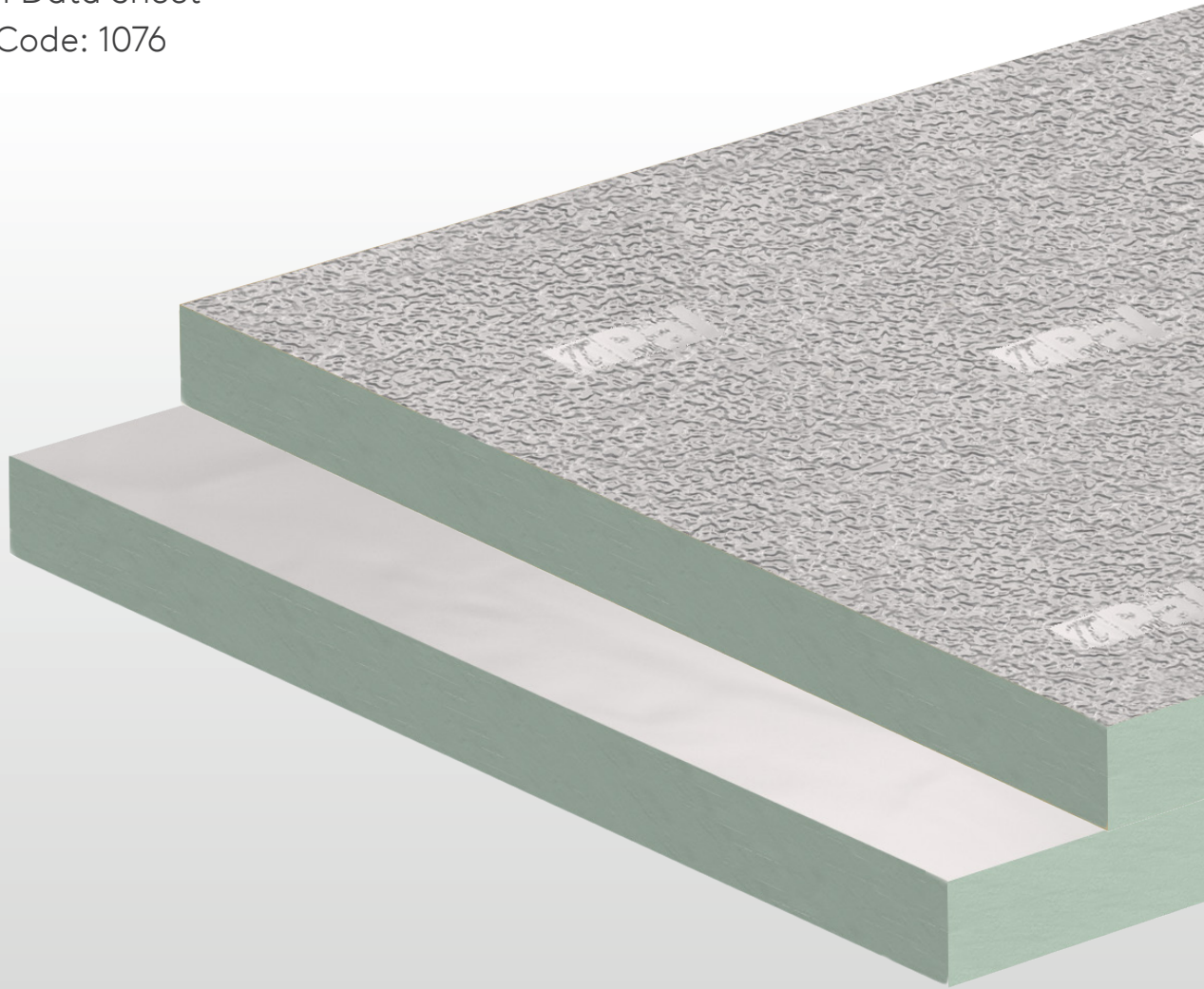
Insulation



# PalDuct™ PIR

Technical Data Sheet

Product Code: 1076



Fibre-free  
Core

  
**Kingspan®**

# Product Information

## Product Description

Kingspan PalDuct PIR Panels comprises of rigid thermoset polyisocyanurate (PIR) insulation core, faced on one side smooth with outer face embossed aluminium foil. The fibre-free core is manufactured with a blowing agent that has zero ODP (contains no CFC and HCFC) and GWP  $\leq 5$ .

Property	Value
Product Code	1076
Product Thickness (mm)*	20
Panel Dimensions (mm)*	4000 x 1200
Min. Density (kg/m <sup>3</sup> ) (EN 1602:2013)	50
Thermal Conductivity (W/m.K) @ 10°C (ASTM C518-21)	0.022
Aluminium Foil Finish	Smooth/Embossed
Aluminium Foil Thickness (External Side)	200 microns

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

## Certifications & Compliance

Kingspan PalDuct PIR Panels 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).

## Kingspan PalDuct PIR System

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.

## 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.

## Kingspan Insulation LLC

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To ensure you are viewing the most recent and accurate product information, please visit this link <https://www.kingspan.com/ae/en/products/ductwork/pre-insulated-duct/palduct-pir/?s=d>

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