

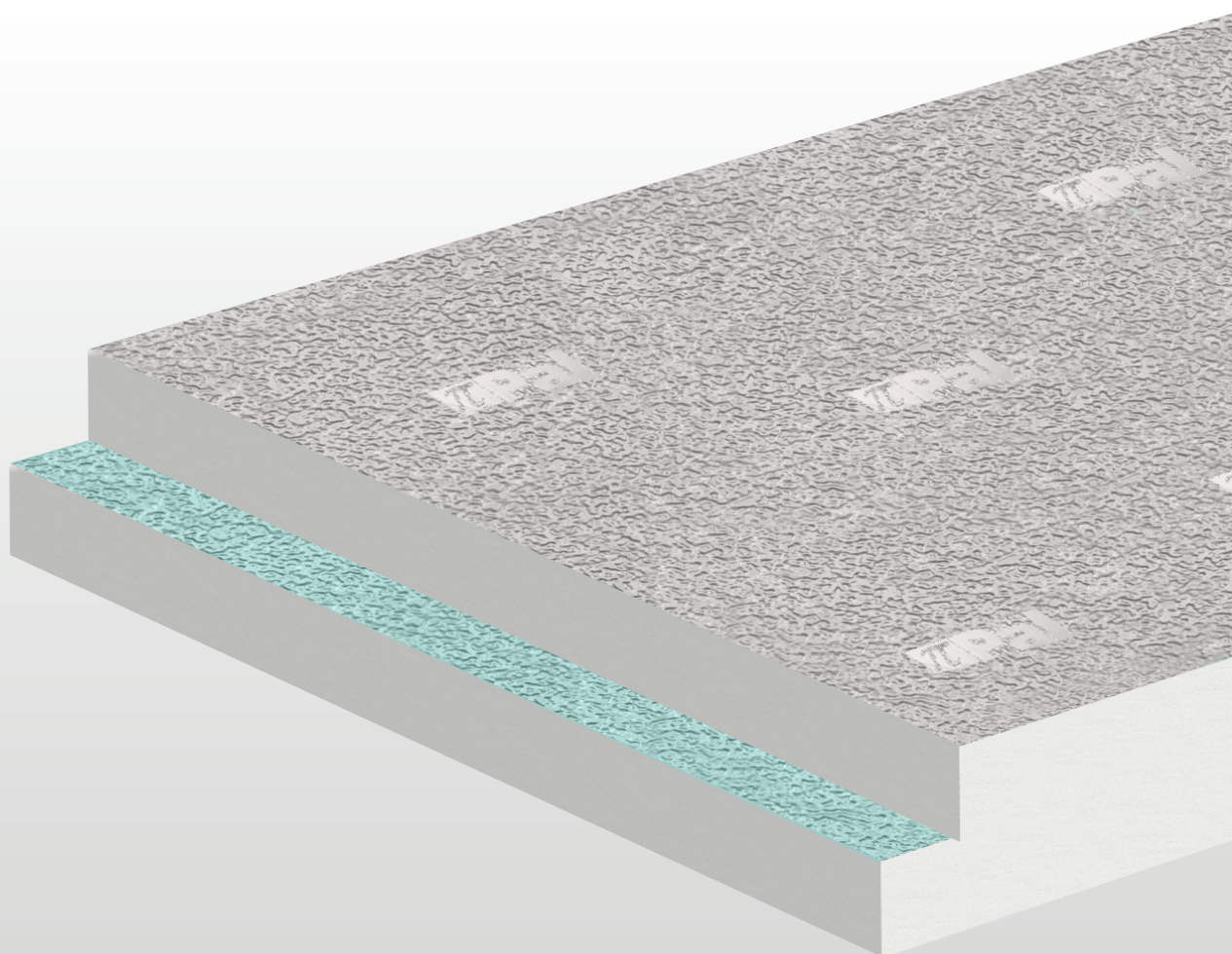
Insulation



# PalDuct™ PIR

Technical Data Sheet

Product Code: 11021



Fibre-free  
Core

  
**Kingspan®**

# Product Information

## Product Description

Kingspan PalDuct PIR Panels comprises of rigid thermosetpolyisocyanurate (PIR) insulation core, faced on both sides with an embossed aluminium foil. The inner facer has been tested to ISO 22196 (Antimicrobial Efficiency of a Treated, Non-porous Surface) that can resist the spread of surface bacteria. 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                                       | 11021                                                  |
| Product Thickness (mm)*                            | 20                                                     |
| Panel Dimensions (mm)*                             | 4000 x 1200                                            |
| Min. Density (kg/m <sup>3</sup> ) (EN 1602:2013)   | 45                                                     |
| Thermal Conductivity (W/m.K) @ 10°C (ASTM C518-21) | 0.022                                                  |
| Aluminium Foil Finish                              | Embossed /Embossed (Antimicrobial Coating-Inner facer) |

\* 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, joining system 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.

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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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