

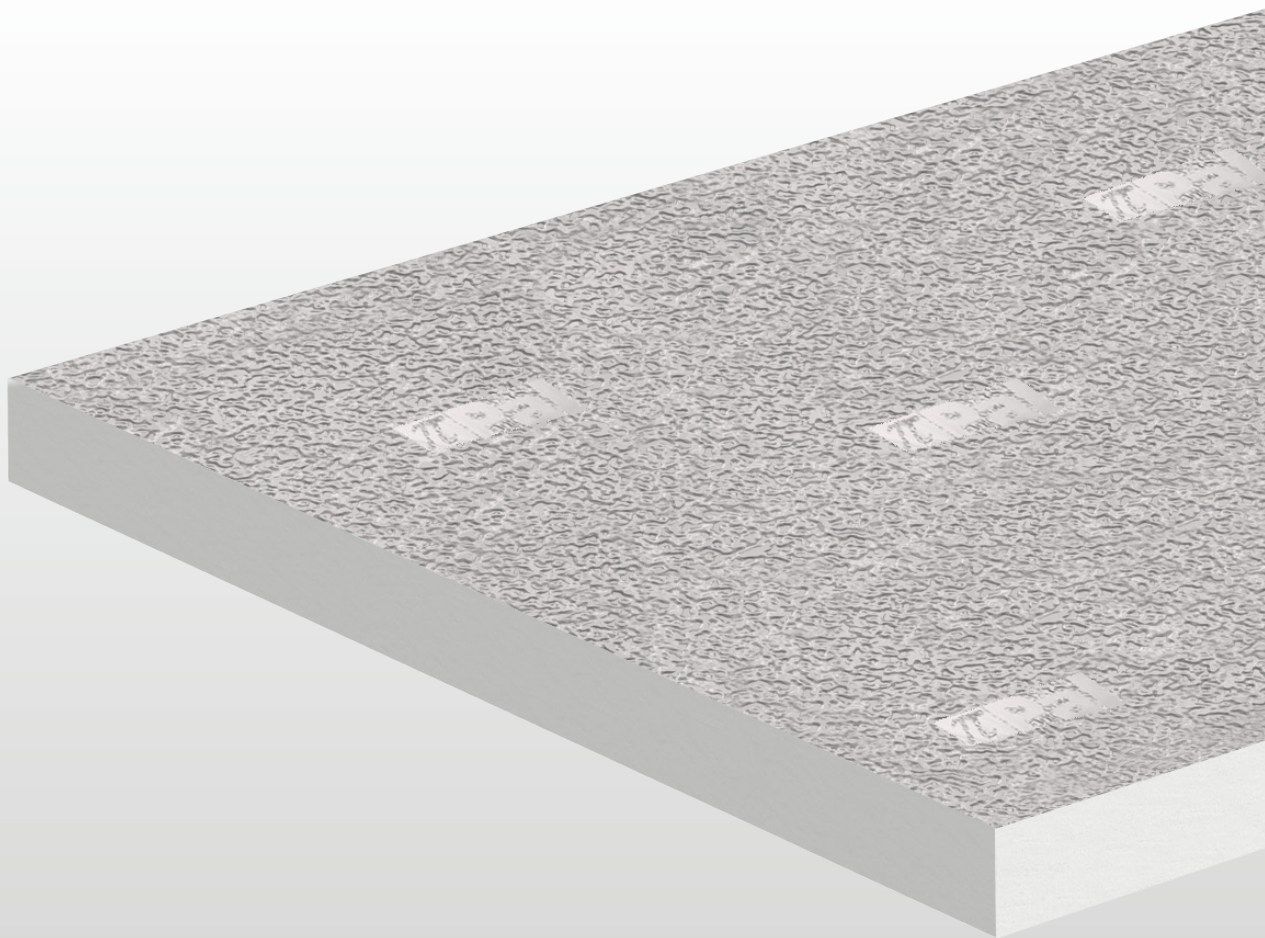
Insulation



PalDuct™ PIR

Technical Data Sheet

Product Code: 1008



Fibre-free
Core



Product Information

Product Description

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	1008
Product Thickness (mm)*	20
Panel Dimensions (mm)*	4000 x 1200
Min. Density (kg/m ³) (EN 1602:2013)	50
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.

Property	Value	Standard
Reaction to Fire	Class 0	BS 476: Part 6: 1989 +A1: 2009 BS 476: Part 7: 1997

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.

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