

dctech



DCT PIR SILVER

Rigid polyisocyanurate thermal insulation

DCT PIR SILVER

DCT PIR Silver insulation is a premium board for use in residential, industrial and agricultural buildings.

Exceptional Strength

- Proven long term performance
- High resistance to settlement and compaction
- Dimensional and edge profile stability

Excellent moisture performance

- Very high resistance to moisture penetration
- Low vapour permeability
- High resistance to freeze thaw cycles
- Durability provides long term retention of these properties

Superior thermal resistance



- Low thermal conductivity
- Thinner boards required compared to some traditional materials

Health and Safety

- Zero ozone depletion potential (ODP)
- CFC and HCFC Free
- Green Star Compliance
- Non-irritant, light and easy to handle
- Clean, easy cutting, robust and inherent weather resistance

Condensation Statement

There are a large number of factors that need to be considered in assessing and managing condensation risk. Such factors include the local climate, building use, position, thickness and type of insulation, position and integrity of vapour barriers, and the degree and location of mechanical or passive ventilation. It is highly recommended that designers undertake a condensation risk analysis.

Specification Clauses

DCT PIR SILVER polyisocyanurate thermal insulation board should be described in the specification as:-

The insulation shall be **DCT PIR Silver** _____ mm polyisocyanurate (PIR) foam panel with minimum compressive strength 120kPa.
DCT PIR Silver smooth **polyisocyanurate** insulation board is distributed by DCTech.

For application specific advice please contact DCTech on 1800 051 100.

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Technical data

Product name:	DCT PIR SILVER
Product description:	PIR insulation board for residential, industrial and agricultural buildings
Composition and surface finish:	Rigid polyisocyanurate (PIR) foam core board, faced on both sides with a smooth multi-layer coated aluminium foil.
Product Code:	DCT PIR Silver
Colour:	Silver/Silver
Edge Profile:	Square edge
Width:	1200mm
Length:	2400mm
Nominal Thickness:	25mm up to 100mm
Compressive Strength:	≥120-150 kPa
Tensile strength perpendicular to surface:	>80kPa EN1607
Long-term water absorption:	<2%
Fire Classification:	AS1530.3
Dimensional stability DS (TH) 8 according to EN1604. Humidity test 48 hours.	Change in length <2% Change in width <2% Change in thickness <6%

Thickness	DCT PIR SILVER R-Value (m ² -K/W) (NCC 2019)
Thermal conductivity (AS 4859.1:2018)	0.024 W/m-K
25	1.04
30	1.25
40	1.67
50	2.08
60	2.50
70	2.92
80	3.33
90	3.75
100	4.17

DCT Silver is not appropriate for use in an exposed wall/ceiling lining. Instead our DCT PIR White product is suitable for this purpose and has been tested to, and complied with, ISO 9705.

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