



the knowledge to produce solutions



DCT PIR

White, Silver or Tissue
rigid polyisocyanurate thermal insulation



rigid polyisocyanurate
thermal insulation



DCT PIR

polyisocyanurate insulation

DCT PIR Silver, DCT PIR White and DCT PIR Tissue 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
- Global Warming Potential (GWP) <5
- Green Star Compliance
- Non-irritant, light and easy to handle
- Clean, easy cutting, robust and inherent weather resistance
- Manufactured in accordance with ISO 9001:2000

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.

Installation details

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



Specification Clauses

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




The insulation shall be **DCT PIR White** _____mm polyisocyanurate (PIR) foam panel with minimum compressive strength 150 kPa. **DCT PIR White** embossed polyisocyanurate insulation board is distributed by DCTech. T: 1800 051 100

The insulation shall be **DCT PIR Silver** _____mm polyisocyanurate (PIR) foam panel with minimum compressive strength 120 kPa. **DCT PIR Silver** smooth polyisocyanurate insulation board is distributed by DCTech. T: 1800 051 100

The insulation shall be **DCT PIR Tissue** _____mm polyisocyanurate (PIR) foam panel with minimum compressive strength 225 ± 50 kPa. **DCT PIR Tissue** polyisocyanurate insulation board is distributed by DCTech. T: 1800 051 100

DCT PIR

technical data

Product name:	DCT PIR WHITE 	DCT PIR SILVER 	DCT PIR TISSUE 
Product description:	PIR insulation board for residential, industrial and agricultural buildings	PIR insulation board for residential, industrial and agricultural buildings	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 slightly embossed aluminium foil, white-varnished on the visible side and silver coloured at the back.	Rigid polyisocyanurate (PIR) foam core board, faced on both sides with a smooth multi-layer coated aluminium foil.	Rigid polyisocyanurate (PIR) foam core board, faced on both sides with a buff coloured tissue facing
Product Code:	DCT PIR White	DCT PIR Silver	DCT PIR Tissue
Colour:	White/Silver	Silver/Silver	Buff/Buff
Edge Profile:	Square edge	Square edge	Square edge
Width:	1200mm	1200mm	1200mm
Length:	2400mm up to 4000mm	2400mm	2500mm
Nominal Thickness:	30mm up to 80mm	30mm up to 100mm	30mm up to 100mm
Compressive Strength:	≥150kPa (1.5kg/cm ²) CS (10/4) 150	≥120kPa (1.2kg/cm ²) CS (10/4) 150	CS (10/4) 225 ± 50 EN826
Core volume weight:	±30kg/m ³	±30kg/m ³	±30kg/m ³
Tensile strength perpendicular to surface:	≥80kPa EN1607	≥80kPa EN1607	
Long-term water absorption:	≤2%	≤2%	≤2%
Fire Classification:	Group 3 (ISO 9705)	N/A	
Dimensional stability DS (TH) 8 according to EN1604. Humidity test 48 hours.	Change in length ≤2% Change in width ≤2% Change in thickness ≤6%	Change in length ≤2% Change in width ≤2% Change in thickness ≤6%	Change in length ≤2% Change in width ≤2% Change in thickness ≤6%
Manufacturing Standards:	The production of these insulation boards is certified according to ISO 9001:2000	The production of these insulation boards is certified according to ISO 9001:2000	The production of these insulation boards is certified according to ISO 9001:2000
Nominal thickness to R-Value	0.02187 W/mK	0.0220 W/mK	0.028 W/mK
20mm	R0.91	R0.91	Not available
25mm	R1.14	R1.14	R0.89
30 mm	R1.37	R1.36	R1.07
40 mm	R1.83	R1.82	R1.43
45 mm	R2.06	R2.04	R1.60
50 mm	R2.28	R2.27	R1.78
60 mm	R2.74	R2.73	R2.14
70 mm	R3.20	R3.18	R2.50
80 mm	R3.65	R3.64	R2.85
100 mm	R4.57	R4.54	R3.60

technical hotline: 1800 051 100

about dctech

Dynamic Composite Technologies, or as we are now known DCTech, has been serving the Australian building industry with an extensive portfolio of technically advanced thermal insulation, geotextile membranes, rainscreen cladding brackets and fibreglass reinforced plastic wall and ceiling liner panels - which have been tried and tested to Australian building codes and standards.

This diverse portfolio provides DCTech with the ability to consider the building envelope holistically and hence develop a 'total system solutions' for a wide range of building applications. DCTech total system solutions incorporate high-performance building materials and innovative solutions which are designed to meet the continuously evolving requirements of the Australian building industry.

DCTech total system solutions address the risk of interstitial condensation, affords BCA, NCC and Greenstar compliant thermal efficiency and optimum acoustic and fire performance.

Ensure you specify the right system for the right application, look for the orange 'Powered by DCTech' stamp of approval.



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