



the knowledge to produce solutions



Thermax Light Duty

rigid polyisocyanurate
thermal insulation



Thermax Light Duty

polyisocyanurate insulation



Dow Thermax Light Duty™ thermal insulation sheathing distributed by DCTech is a non structural, rigid board insulation board consisting of a glass fibre reinforced Polyisocyanurate (PIR) thermoset foam core auto-adhesively bonded to reflective aluminium foil facers on both sides.

Dow Thermax Light Duty™ has a glass fibre reinforced PIR thermoset foam core that can contribute to improved fire performance and dimensional stability. Being a thermoset material, the **Dow Thermax Light Duty™** PIR foam core will not melt, flow or drip when exposed to fire but instead forming a strong char that restricts flame spread and further degradation to the core of the material. Unlike other foams such as EPS (Expanded Polystyrene) which will spread the flame due to oxygen being held between the cells within the panel, EPS cells are a thermoplastic that tend to melt and shrink under intense heat.

The **Dow Thermax Light Duty™** PIR thermal insulations bonded aluminium foil facers also serve as effective moisture vapour retarders when installed in accordance with manufacturer's instructions.

Applications

Dow Thermax Light Duty™ PIR is designed as a thermal insulation and interior finish system for walls and ceilings in metal, wood post frame, and concrete or masonry buildings.

Features

Durable white acrylic-coated aluminum on one side, embossed aluminum on the other for light-impact areas. It can be pressured-washed up to 6,894.7 kPa with a 15-degree or greater spray tip.

Standards

Dow Thermax Light Duty™ PIR thermal insulation is manufactured with a zero ozone depleting potential. The use of Dow Thermax Light Duty PIR thermal insulation helps reduce the carbon footprint of commercial buildings.



Specification Clauses

Dow Thermax Light Duty Soffit Board should be described in specifications as: -

The soffit insulation supplied by Dynamic Composite Technologies shall be modified PIR (Polyisocyanurate) Dow Thermax Light Duty Soffit Board ___mm thick CFC/HCFC-free, rigid modified PIR thermoset insulation core with auto-adhesively bonded 35 µ embossed pure foil facings on both sides, conforming to AS fire tests, AS ISO 9705 (Group 1 Ceilings only - Group 2 Walls & Ceilings) AS 3837 (admt 1) - Group 2 FM 4880, manufactured to the highest standards under quality control systems approved to ASTM C1289-02 by Dow Building Solutions and shall be applied in accordance with the instructions issued by them.

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Thermax Light Duty

technical data

Product Description:	Dow Thermax Light Duty™ polyisocyanurate PIR rigid thermoset thermal insulation for an interior finish system for walls and ceilings in metal, wood post
Surface finish:	31.75 u/m embossed white acrylic-coated aluminum on one side and 31.75 u/m embossed aluminum on the other.
Product Code:	Thermax LD
Colour:	White
Edge Profile:	Square Edge
Width:	1219mm
Length:	2235mm
Thicknesses available:	13, 19, 25, 32, 38, 45, 51, 57, 64, 70, 76 mm
Compressive Strength:	172 kPa
Flexural Strength:	379.21 kPa
Water absorption:	0.5%
Water Vapour Permanence:	<0.03
Maximum use temperature:	121°C
Fire Classification:	AS ISO 9705 (Group 1 Ceilings only - Group 2 Walls & Ceilings) AS 3837 (admt 1) - Group 2

Nominal Thickness (mm)	R-Value (0.022 m ² K/W)
13	0.6
19	0.9
25	1.2
32	1.5
38	1.7
45	2.0
51	2.3
57	2.6
64	2.9
70	3.2
76	3.5

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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