



## Thermax Heavy Duty

### Details

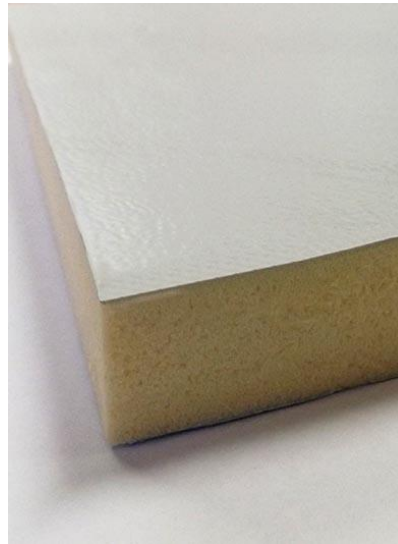
Thermax Heavy Duty™ thermal insulation distributed by DCTech has a glass-fibre reinforced polyisocyanurate (PIR) thermoset foam core faced with 4.0 mil embossed white acrylic-coated aluminium on one side and 1.25 mil embossed aluminum on the other side. The surfaces makes it a durable choice for use in moderate-impact areas.

Thermax Heavy Duty™ PIR thermal insulation can be installed exposed to the interior without a thermal barrier and can be pressure washed up to 2,000 psi with a 15-degree or greater spray tip. Thermax Heavy Duty™ PIR rigid sheathing is designed as an thermal insulation and interior finish system for walls in metal, wood post frame and concrete or masonry buildings.

Thermax Heavy Duty™ PIR thermal insulation offers high, long-term R-Values. The aluminium facers help prevent water and water vapour intrusion into the PIR insulation foam core, and allow the foam to stabilise at a higher R-Value. Used in conjunction with the appropriate joint closure system for the application, Thermax Heavy Duty™ PIR thermal insulation with its low perm rating helps to reduce moisture condensation within and behind the insulation.

### Applications

- High-impact interior finish system for



### Specification Clause - Soffit

Dow Thermax Heavy Duty™ Soffit Board should be described in Specifications as:-

The soffit insulation supplied by Dynamic Composite Technologies shall be modified PIR (Polyisocynurate) Dow Thermax Heavy Duty™ Soffit Board \_\_\_\_mm thick CFC/HCFC-free, rigid modified PIR thermoset insulation core with autohesively bonded 35 micron

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walls in metal, wood post frame, and concrete or masonry buildings

#### Features

- Low perm rating helps to reduce moisture condensation within and behind the insulation
- Thermax Heavy Duty™ PIR thermal insulation can be installed exposed to the interior without a thermal barrier
- High, long term retained R-Values

embossed pure foil facings on both sides, conforming to AS fire tests, AS1530-3, AS3837 Group Classification 1, ISO 9705 Group 1 (25mm), FM 4880, manufactured to the highest standards under quality control systems approved to ASTM C1289-02 by Dow Insulation Limited and shall be applied in accordance with the instructions issued by them.

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## Technical Data

Product Name:	<b>Dow Thermax Heavy Duty™</b> Polyisocyanurate PIR rigid thermoset thermal insulation
Product Description:	Dow Thermax Heavy Duty™ Polyisocyanurate PIR rigid thermoset thermal insulation with a white interior finish for walls in high-impact areas
Surface Finish:	Embossed white acrylic-coated aluminum sheet laminated
Product Code:	on one side and 0.025mm aluminum on the other
Colour:	Thermax HD
Edge Treatment:	Glass-fibre reinforced polyisocyanurate
Nominal Thickness:	yellow foam
Width:	Square Edge
Length:	13, 25, 38, 51, 57 and 64 mm
Compressive Strength:	1219 mm
Flexural Strength:	2235 mm
Water Absorption:	172.3 kPa
Water Vapour Permeance:	379.2 kPa
Maximum use temperature:	0.05%
Light reflectance visual light Spectrophotometer:	<0.03 121 °C 65%



**Nominal Thickness to R-Value**

**Dow Thermax Heavy Duty™ @ 23.88°C (75°F) aged for 90 days**

<b>Nominal Thickness mm</b>	<b>Lambda/K Value/Thermal Conductivity</b>	<b>R Value</b>
13	0.022	0.6
25	0.022	1.2
38	0.022	1.7
51	0.022	2.3
57	0.022	2.6
64	0.022	2.9

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