



DCT XPS Thermal Break Strips

Details

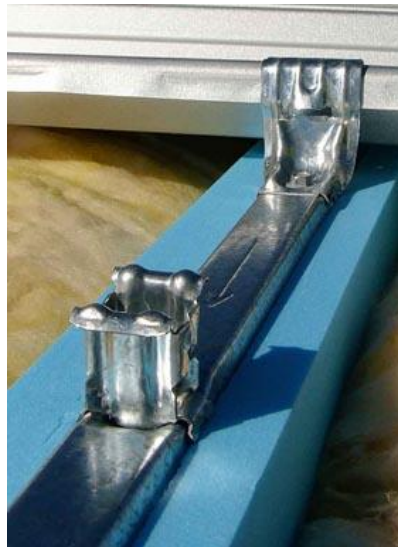
DCT XPS Thermal Break Strips distributed by DCTech are made from a high compressive strength 300 kPa Styrofoam™ extruded polystyrene (XPS) rigid thermal insulation board. DCT XPS Thermal Break Strips are designed specifically to reduce the thermal loss on metal deck roof applications.

Depending upon the construction method, in some metal deck roof construction the insulation blanket can be compressed which can reduce the thermal performance of the roof system. The use of DCT XPS Thermal Break Strips on top of each purlin above the insulation blanket will ensure that sufficient room is allowed for the insulation blanket to recover to its nominal thickness and that stated R-Values are achieved.

The Styrofoam™ rigid thermal insulation strips are a closed cell structure meaning that they won't absorb moisture thus retaining their high thermal performance.

Testing has been conducted by the majority of the manufacturers of roofing systems throughout Australia and the addition of DCT XPS Thermal Break Strips will not affect the warranties of these manufacturers.

DCT XPS Thermal Break Strips are specifically designed with a high compressive strength and do not absorb moisture which tests have shown



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Specification Clause
General Application Board

Dow DCT XPS Thermal Break Strips extruded polystyrene general application board should be described in specifications as:-

The insulation shall be Dow DCT XPS Thermal Break Strips ___mm closed cell rigid cellular extruded polystyrene (XPS) foam panel with minimum compressive strength 300 kPa. Dow DCT XPS



to be vital for this application.

Applications

- Metal deck roofing applications

Features

- High compressive strength
- Long term retained R-Values
- Superior water resistant properties
- Dimensionally stable
- Will not attract vermin or insects

Thermal Break Strips are distributed by Dynamic Composite Technologies - T: 1800 051 100.

Dynamic Composite Technologies Pty Ltd

ABN 55 103 023 874

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Technical Data

Product Name:	<p>DCT XPS</p> <p>Thermal Break Strips</p> <p>Extruded polystyrene XPS rigid thermal insulation</p>
Product Description:	<p>DCT XPS Thermal Break Strips are designed specifically to reduce the thermal loss on metal deck roof applications. Depending on construction method, in some metal deck roofs the insulation blanket can be compressed, which can reduce the thermal performance of the roof system. The use of the DCT XPS Thermal Break Strips on top of each purlin above the insulation blanket will ensure that sufficient room is allowed for the insulation blanket to recover its nominal thickness and that stated R values are achieved.</p>
Surface finish: Product code: Colour: Edge treatment:	<p>Planed</p> <p>DCT Thermal Break Strips</p> <p>Cream – Light Yellow</p> <p>Square edge</p>
Nominal Dimensions:	<p>1250mm Options</p> <p>25mm x 75mm x 1250mm</p> <p>40mm x 75mm x 1250mm</p> <p>50mm x 75mm x 1250mm</p> <p>75mm x 75mm x 1250mm</p> <p>100mm x 75mm x 1250mm</p> <p>2500mm Options</p> <p>6mm x 38mm x 2500mm</p> <p>25mm x 75mm x 2500mm</p> <p>40mm x 75mm x 2500mm</p> <p>50mm x 75mm x 2500mm</p> <p>75mm x 75mm x 2500mm</p> <p>100mm x 75mm x 2500mm</p>



Density:	32 kg/m ²
Compressive strength:	300 kPa (min) @ 10% deformation
Water absorption:	< 0.3%

**Nominal Thickness to R-Value
DCT XPS Thermal Break Strips @ 24°C**

Nominal Thickness mm	Lambda/K Value/Thermal Conductivity	R Value
25	0.0278	0.9
30	0.0278	1.1
40	0.0278	1.4
50	0.0278	1.8
60	0.0278	2.2
75	0.0278	2.7
80	0.0278	2.9
90	0.0278	3.2
100	0.0278	3.6
120	0.0278	4.3
150	0.0278	5.4
200	0.0278	7.2