

DCT GA 300™

extruded polystyrene insulation

DCT GA 300™ extruded polystyrene (XPS) general application board provides excellent performance in roofs, walls and floors in both commercial and residential applications.

The **DCT GA 300™** XPS boards are rot proof, stable and durable and will have a life equivalent to that of the structure in which they are incorporated.

DCT GA 300™ offers top performance with regards to thermal insulation, maintaining this characteristic under extreme conditions of compression, humidity and temperature. The exceptional compressive strength enables it to easily resist several tons/m² downward pressure.

The closed cell structure of **DCT GA 300™** XPS foam makes water absorption almost non-existent and provides a high resistance to vapour transmission.

Exceptional Strength

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

Excellent moisture performance (closed cell structure)

- 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

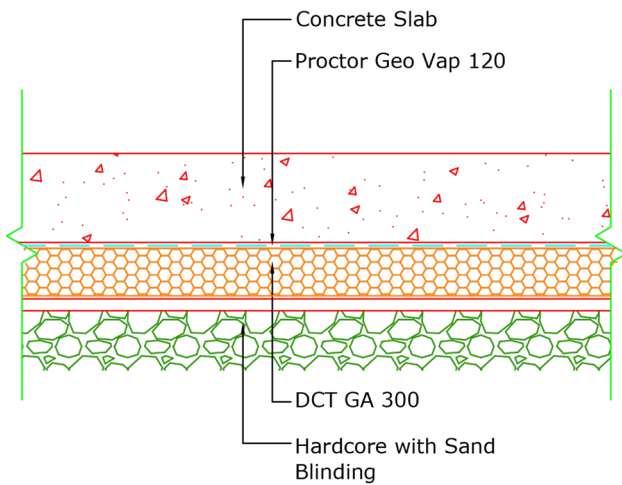
Specification Clause

DCT GA 300™ extruded polystyrene general application board should be described in the specification as:-

The insulation shall be DCT GA 300™ _____ mm non-porous cellular extruded polystyrene (XPS) foam panel with minimum compressive strength 300 kPa. Zero ODP, CFC and HCFC free. DCT GA 300 extruded polystyrene general application board is distributed by Dynamic Composite Technologies
T: 1800 051 100.

Product Name	DCT GA 300™
Product Description:	Non-porous, closed cell, high performance extruded polystyrene general application insulation board for use in floor, wall and roof applications.
Composition and Surface finish:	Closed cell extruded polystyrene, surface skin
Product Code:	DCT GA 300
Colour:	Sand
Edge Profile:	Tongue and grooved on all edges
Width:	600mm
Length:	2500mm
Thicknesses available:	25, 30, 40, 50, 75, 80, 90, 100 and 120mm
Compressive Strength:	≥300kPa
Thermal Conductivity AS4859.1:	0.025 W/mK @ 24 °C (Test report no 16/11737-238)
Water vapour resistivity:	350-950 MNs/gm
Water absorption:	≤0.7% vol
Fire Classification AS1530.3	7,0,2,5

Thickness to R-Value DCT GA 300™ @ 24°C	
Thickness (mm)	DCT GA 300™ R-Value (m ² K/W)
25	1.0
30	1.2
40	1.6
50	2.0
75	3.0
80	3.2
90	3.6
100	4.0
120	4.8



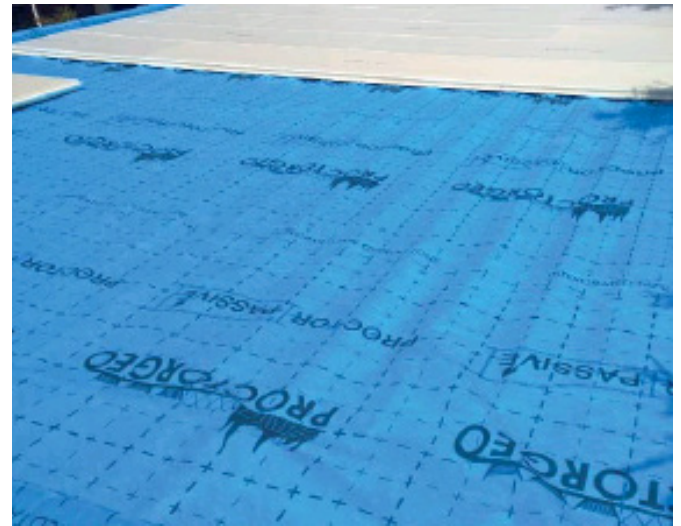
Location: DCT GA is laid directly onto level slab. In addition, DCT GA can be placed vertically around the edge of the slab inside the formwork.

Preparation: Confirm with a structural engineer for the required compressive strength required.

Installation: Lay non-porous DCT XPS GA rigid board directly onto the levelled ground that will be under the slab, excluding footings and structural beams. Lay separating damp proof membrane (DPM) Proctor Geo Vap 120 above the GA300, lapping 100mm at joints.

Specification: Minimum compressive strength not less than 300 kPa. Minimum compressive.

Fire: Smoke developed (AS 1530.3) <5



Sydney Office

Unit 8, 171-175 Newton Rd
Wetherill Park NSW 2164
T (02) 8788 9555
F (02) 9604 7468
E nsw@dctech.com.au

Melbourne Office

12 Agosta Drive
Laverton North VIC 3026
T (03) 9369 7920
F (03) 9369 4043
E vic@dctech.com.au

Queensland Office

T 1800 051 100
E qld@dctech.com.au

Western Australia

PO Box 159
Joondalup DC WA 6919
T 1800 051 100
E wa@dctech.com.au