



the knowledge to produce solutions



DCT GA 400

xps floorboard



DCT GA 400

extruded polystyrene insulation



Engineered for use in commercial high load floor applications, **DCT GA 400** Floorboard provides excellent thermal performance below slab, below screed and above joists.

The **DCT GA 400** 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 400 offers outstanding 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.

With a closed cell structure, **DCT GA 400** 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

Health and Safety

- CFC and HCFC free formulation
- Zero ozone depletion potential (ODP)
- Green Star Compliance
- Non-irritant, light and easy to handle
- Clean, easy cutting, robust and inherent weather resistance
- Specially designed tongue and grooved edge profiles to facilitate rapid and robust installation
- Manufactured in accordance with EN 13164 : 2001, Section 4.2 and the relevant parts of Section 4.3

Installation details

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

Specification Clause

DCT GA 400 extruded polystyrene general application board should be described in the specification as:-

The insulation shall be DCT GA 400 _____mm non-porous cellular extruded polystyrene (XPS) foam panel with minimum compressive strength 400 kPa. Zero ODP, CFC and HCFC free. DCT GA 400 extruded polystyrene general application board is distributed by Dynamic Composite Technologies.
T: 1800 051 100

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.

DCT GA 400

technical data

Product name:	DCT GA 400
Product description:	Non-porous, closed cell, high performance extruded polystyrene general application insulation board for use in floor applications
Composition and Surface finish:	Extruded polystyrene board with a smooth surface finish and half-lapped edges
Product Code:	DCT GA 400
Colour:	Sand
Edge Profile:	Half-lapped edges
Width:	600mm
Length:	1250mm * other lengths available
Nominal Thickness available:	30, 40, 50, 60, 80, 100mm
Compressive Strength:	≥400 kPa
Thermal Conductivity AS4859.1:	0.028 W/mK
Water vapour resistivity:	350.950 MNs/gm
Water absorption:	
Fire Classification AS1530.3	

Nominal thickness to R-Value	
Nominal Thickness (mm)	DCT GA 400 m ² K/W
30	1.07
40	1.43
50	1.80
60	2.14
80	2.85
100	3.57

Delivery, handling and storage

DCT GA 400 insulation boards are delivered shrinkwrapped. **DCT GA 400** is light, rigid and clean and pleasant to handle and install. It is easily cut to size or trimmed using a knife or saw. **DCT GA 400** should be stored flat in a ventilated area and protected from accidental damage, contact with volatile solvents, flames and extended exposure to UV and sunlight.

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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