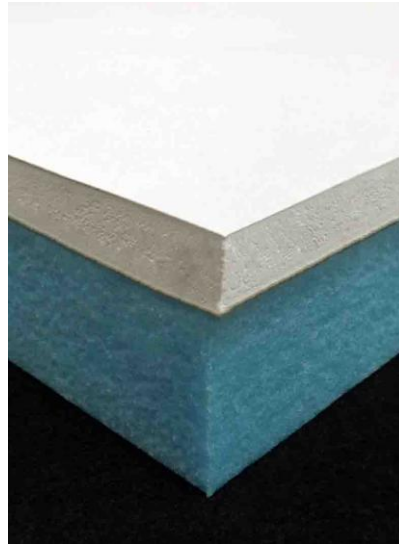# Thermalcheck XPS Insulated Plasterboard

Details

Designed to facilitate fast installation of plasterboard liner and thermal insulation simultaneously, DCTechThermalcheck consist of DCT Block XPS extruded polystyrene (XPS) thermal insulation board pressure bonded to gypsum plaster board. This economic, easily installed lining system allows you to insulate and line walls in one simple operation, using normal fixing methods. Suitable for stud, brick and masonry walls and ceilings,
DCTech Thermalcheck has a high compressive strength and moisture resistance, providing unique thermal insulation properties.

DCTech Thermalcheck is lightweight and can be easily installed using the same fixing methods as ordinary plasterboard. The need for battens and separate insulation is eliminated, thereby speeding up construction time and providing a durable internal lining system. No special tools are required, as boards can be cut using standard handtools.

Renovating an older home becomes less of a challenge now that DCTech Thermalcheck provides a fast, trouble free method of plastering and insulating walls and ceilings, including suspended ceilings.

DCTech Thermalcheck provides unrivalled resistance to water vapour or moisture, thereby solving problems with slightly damp areas, such

**Specification Clause -
General Application Board**

Dynamic Composite Technologies Thermalcheck XPS extruded polystyrene insulated plasterboard board should be described in specifications as:-

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as bathrooms.

An extremely effective thermal insulator, DCTech Thermalcheck insulated XPS board's high insulating properties will assist in maintaining controlled temperature conditions for the life of your home.

Features

- High compressive strength rating
- Long term retained R-Values

Applications

- Commercial retrofit interior wall and ceiling liner for high impact traffic areas
- Residential retrofit interior wall and ceiling liner for high humidity areas such bathrooms
- Effective vapour barrier

The insulation shall be DCT Block XPS nominal ......mm closed cell rigid cellular extruded polystyrene (XPS) foam panel with minimum compressive strength 300 kPa. Thermalcheck insulated plasterboard is distributed by Dynamic Composite Technologies - T: 1800 051 100.

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Technical Data

Product Name:	**DCTech Thermalcheck**
	Extruded polystyrene XPS insulated plasterboard
Product Description:	DCT Block XPS (extruded polystyrene) rigid thermal insulation pressure bonded to gypsum plaster board for lining stud, brick and masonry walls and ceilings in one simple operation.
Surface Finish:	White Plasterboard
Product Code:	Thermalcheck
Insulation Panel:	DCT Block XPS *
Colour:	Sand
Edge Treatment:	Square edge
Nominal Insulation Thickness:	30, 40, 50, 60, 75, 80, 90, 100, 120 mm
Width:	600 mm
Length:	2500 mm
Compressive Strength:	>300kPa
Thermal Conductivity AS4859:1:	0.033 W/mK @ 24°C
Water vapour resistivity:	350-950 MNs/gm
Water absorption:	0.07 mm/mK
Fire Classification AS1530.3	7,0,2,5
* (other DCT Block XPS grades available upon request)	

| Nominal Thickness to R-Value | | |
| Added material R-Value - product only | | |
Grade	Nominal Thickness (mm) Plasterboard + Insulation	R-Value (m²K/W) Insulation Only
DCT Block XPS	10 + 30	1.00
DCT Block XPS	10 + 40	1.30

DCT Block XPS	10 + 50	1.60
DCT Block XPS	10 + 60	1.90
DCT Block XPS	10 + 75	2.35
DCT Block XPS	10 + 80	2.50
DCT Block XPS	10 + 90	2.80
DCT Block XPS	10 + 100	3.10
DCT Block XPS	10 + 120	3.70