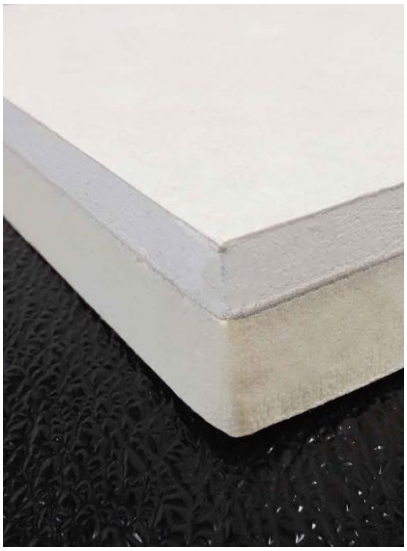
Thermalcheck Plus PIR Insulated Plasterboard

Details

DCTech Thermalcheck Super boards consist of a laminate of recessed edge gypsum plaster board pressure bonded to DCT PIR (polyisocyanurate) thermal insulation foam. DCTech Thermalcheck Super thermal insulated plasterboards allow for installation in one easy step, using the same fixing methods as ordinary plasterboard.



Suitable for stud, brick, masonry walls and ceilings in new or refurb projects, DCTech Thermalcheck Super provides a continuous layer of thermal insulation across studs in timber frame walls removing the 'thermal shorts' that occur at the framing which can reduce the insulation value of a conventional wall by up to 20%.

DCT PIR thermal insulation is a non structural, rigid board consisting of a glass fibre-reinforced polyisocyanurate foam core laminated between smooth, reflective aluminium foil facers on both sides. The glass-fibre reinforcement, along with chemical modifications, contribute to improved fire performance and dimensional stability.

Manufactured using a structural waterproof polyurethane adhesive, DCTech Thermalcheck Super thermal insulated plasterboards are easy to handle and quick to install. DCTech Thermalcheck Super is ideal for lining cold wall faces especially cellars and concrete slab construction.

Specification Clause - General Application Board

Dynamic Composite Technologies Thermalcheck Super PIR insulated plasterboard board should be

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The thermal resistance of DCTech Thermalcheck Super also eliminates the problem of surface condensation, saving wear and tear on surface finishes.

Applications

- Commercial retrofit interior wall and ceiling liner for moderate impact traffic areas

Features

- High R-value insulation in a minimum thickness board

Standards

- DCT PIR is Green Star Compliant, CFC & HCFC Free, Zero ODP

described in specifications as:-

The insulation shall be DCT Thermalcheck Super nominal .....mm polyisocyanurate rigid foam panel with minimum compressive strength 120 kPa. Thermalcheck insulated plasterboard is distributed by Dynamic Composite Technologies - T: 1800 051 100.

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Technical Data

Product Name:	**DCTech Thermalcheck Super** Polyisocyanurate PIR rigid thermal insulated plasterboard
Product Description:	DCTech Thermalcheck Plus boards consist of a laminate of recessed edge gypsum plaster board pressure bonded to DCT PIR (polyisocyanurate) thermal insulation foam. Suitable for stud, brick, masonry walls and ceilings in new or refurb projects.
Surface Finish:	Reinforced coated three ply polymer foil facer on one side. Reinforced polymner/foil non-reflective facer on the other
Product Code:	DCT PIR
Colour:	Silver foil facers with yellow foam core
Edge Treatment:	Square edge
Nominal Insulation Thickness:	13, 25, 30, 40, 45, 50,60,70, 80 and 90mm
Width:	1200 mm
Length:	2400 and 2700 mm
Density:	26 kg/m³
Thermal K Value:	0.022 W/mK
Compressive Strength:	120 kPa
Material water vapour resistivity:	>100 MNs/gm

Nominal Insulation Thickness to R-Value

Added material R-Value - product only

Grade	**Nominal Insulation Thickness (mm)** Plasterboard + Insulation	**R-Value (m²K/W)** Insulation Only
DCT PIR	10 + 13	0.65
DCT PIR	10 + 25	1.2
DCT PIR	10 + 30	1.4
DCT PIR	10 + 40	1.9

DCT PIR	10 + 45	2.1
DCT PIR	10 + 50	2.3
DCT PIR	10 + 60	2.79
DCT PIR	10 + 70	3.2
DCT PIR	10 + 80	3.6
DCT PIR	10 + 90	4.09