

eurothane[®] pl

Eurothane PL is a thermal insulation board. Its core consists of rigid polyisocyanurate PIR foam. The board is faced with a gas diffusion tight multilayer foil on both sides and post laminated with a plasterboard on one side.

Application(s)

Internal wall insulation and pitched roof applications.

Board

Description	Value	Unit	Tolerances	Standard
Dimensions				
Length	2400	mm		
Width	1200	mm		
Thickness range	25-65	mm	T2	EN 823
Density (core volume weight)	± 30	kg/m ³		
Appearance				
Facing	Gas diffusion tight multilayer foil on both sides and a post laminated plasterboard (12,5mm) on one side.			
Edge finishing	Straight edges.			
Edge finishing plasterboard	Tapered edge plasterboard on the long sides			

Essential Characteristics

Description	Standard	EN code	Value	Unit
Thermal conductivity (declared value)				
All thicknesses	EN 13165	λ_D	0.022	W/m.K
Fire behaviour				
Reaction to fire (end use)	EN 13950	Euroclasse	B-s1, d0	
Hygrometric properties				
Water vapour diffusion coefficient (tabulated value)	EN ISO 10456	μ	50-100	

Insulation Values

Thickness (mm)	λ_D -value (W/mK)	R_D -value (m ² K/W)
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25+12.5*	0.022	1.15
40+12.5*	0.022	1.85
50+12.5*	0.022	2.30
65+12.5*	0.022	3.00

*12.5 = thickness gypsum Plasterboard; thermal performance is taken into account in the thermal resistance R_D -value.

λ_D -value refers to insulation board.

Standards & Certificates

Standards

Product standard (Insulation board)	EN 13165:2012 + A2:2016
Product standard (Gypsum plaster board)	EN 13950:2005
Production	ISO 9001:2015
Environmental management	ISO 14001:2015

Certificates

BBA	Certificate 14/5136	(25-80mm)
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Other / Miscellaneous

Production plant

Stoke-on-Trent, UK Enterprise Way, Stoke-on-Trent ST3 7UN

Storage/handling

Stock dry and protected from direct sunlight

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Recticel Insulation
Enterprise Way, Whittle Road, Meir Park, Stoke-on-Trent, Staffordshire, ST3 7UN, UK

www.recticelinsulation.com
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