

Eurothane® G 600

Eurothane G 600 is a composite 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 to a gypsum plasterboard on one side.

Application(s)

Composite thermal insulation used for internal wall and pitched roof applications.

Board

Description	Value	Unit	Tolerances	Standard
Dimensions				
Length	2600	mm		
Width	600	mm		
Thickness range	20-100	mm	T2	EN 823
Density (core volume weight)	± 30	kg/m ³		
Appearance				
Facing	Gas diffusion tight multilayer foil on both sides with a gypsum plasterboard (12.5 mm) on one side.			
Edge finishing	Straight edges			
Edge finishing plasterboard	Long sides bevelled			

Essential characteristics

Description	Standard	EN code	Value	Unit
Thermal conductivity (declared value)				
All thicknesses	EN 13165	λ _D	0.022	W/m.K

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Recticel Insulation

Zuidstraat 15, 8560 Wevelgem, Belgium

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Eurothane[®] G 600

Description	Standard	EN code	Value	Unit
Mechanical properties				
Compressive stress or compressive strength at 10% deformation	EN 826	CS(10/Y)120	≥ 120	kPa
Dimensional stability under specified temperature and humidity conditions				
48 hrs 70°C, 90% RH	EN 1604	DS(70,90)2		
Tensile strength perpendicular to faces	EN 1607	TR80	≥ 80	kPa
Fire behaviour				
Reaction to fire (product as such)	EN 13501-1	Euroclass	F	
Reaction to fire (end use)	EN 13501-1	Euroclass	B-s1, d0	
Hygrometric properties				
Water vapour diffusion coefficient (foam)	EN ISO 10456	μ	50-100	
Long term water absorption by total immersion	EN 12087	WL(T)2	<2	vol-%

Insulation Values

Thickness (mm)	λD-value (W/mK)	RD-value (m ² K/W)
20+12.5*	0.022	0.90
30+12.5*	0.022	1.35
40+12.5*	0.022	1.80
50+12.5*	0.022	2.25
60+12.5*	0.022	2.70
80+12.5*	0.022	3.60
100+12.5*	0.022	4.50

*12,5 = thickness gypsum plasterboard; thermal performance not taken into account.

Standards & Certificates

Standards

Product standard	EN 13165:2012 + A2:2016
Production	ISO 9001:2015
Environmental management	ISO 14001:2015

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Certificates

Keymark	001-BK-514-0004-0006-W012	(20-160mm)
ATG/H	750	(20-160mm)

Other / Miscellaneous

Production plant

Wevelgem Zuidstraat 15, 8560 Wevelgem, Belgium

Storage/handling

Stock dry and protected from direct sunlight

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