



Powerline® is an insulation board with a core of rigid polyisocyanurate foam (PIR) with a specific cell structure also named Taufoam by Recticel. This insulation board is faced on both sides with an aluminium foil, white on the visible side and grey at the back.

Application(s)

Thermal insulation for industrial and agricultural buildings

Product

Description	Value	Unit	Tolerances	Standard
Dimensions				
Variable length	To max 6,5 - other dimensions on request	m		
Width	1200	mm		
	1227 (quattro)	mm		
Thickness	30-120	mm	T2	EN 823
Density (core volume weight)	± 30	kg/m³		
Appearance				
Facing	Embossed aluminium foil, white on the visible side and grey coloured at the back			
Edge finishing	Quattro ; Straight edges ; Shiplapped and grooved			

Essential Characteristics

Description	Standard	EN code	Value	Unit
Thermal conductivity (declared value)				
All thicknesses	EN 13165	λ_D	0.024	W/mK
Mechanical properties				
Compressive stress or compressive strength at 10% deformation	EN 826	CS(10/Y)150	≥150	kPa
Dimensional stability under specified temperature and humidity conditions				
48 hrs 70°C, 90% RH	EN 1604	DS(70,90)3		
48 hrs -20°C	EN 1604	DS(-20,-)1		

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Recticel Insulation

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

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Description	Standard	EN code	Value	Unit
Tensile strength perpendicular to faces	EN 1607	TR80	≥80	kPa
Fire behaviour				
Reaction to fire (product as such)	EN 13501-1	Euroclass	D-s2,d0	(30 – 120 mm)
Reaction to fire (end use)*	EN 13501-1	Euroclass	B-s2,d0	(40 – 80 mm)
Hygrometric properties				
Water vapour diffusion coefficient (foam) (tabulated value)	EN ISO 10456	μ	50-100	
Water absorption				
long term water absorption by total immersion	EN 12087	WL(T)2	≤2	vol-%
* In specific end-use conditions (report available on demand)				

Insulation Values		
Thickness (mm)	λ _D -value (W/mK)	R _D -value (m²K/W)
30	0.024	1.25
40	0.024	1.65
50	0.024	2.05
60	0.024	2.50
70	0.024	2.90
80	0.024	3.30
100	0.024	4.15
120	0.024	5.00

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

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Standards & Certificates

Certificates

Keymark	001-BK-514-0004-0023-W001 (30-100 mm)
ATG/H	ATG/H 750 (30-100 mm)
Pavus Report	
ACERMI	03/003/323 (30-100 mm)
Q-Zertifikat	Q-Zertifikat (30-120 mm)
VOC	A+

Other / Miscellaneous

Production Plant

Wevelgem	Zuidstraat 15, BE-8560 Wevelgem, Belgium
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