

Du.Panel X

Du.Panel X is a thermal insulation board. Its core consists of rigid polyisocyanurate PIR foam. The board is faced with an embossed white aluminium foil on one side and an embossed aluminium foil on the backside.

Application(s)

Thermal insulation for agricultural buildings

Product

Description	Value	Unit	Tolerances	Standard
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Dimensions

Variable length	To max 15.60	m		
Width	1200, 1227 (quattro)	mm		
Thickness range	40-120	mm	T2	EN 823
Density (core volume weight)	± 30	kg/m ³		

Appearance

Facing	Embossed white aluminium foil on one side and an embossed aluminium foil on the backside
Edge finishing	Shiplapped; Quattro; Straight Edges

Essential Characteristics

Description	Standard	EN code	Value	Unit
Thermal conductivity (declared value)				
All thicknesses	EN 13165	λ_D	0.020	W/m.K
Mechanical properties				
Compressive strength at 10% deformation	EN 826	CS(10/ Y)150	≥150	kPa

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Recticel Insulation

Zuidstraat 15, 8560 Wevelgem, Belgium

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Description	Standard	EN code	Value	Unit
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		
Tensile strength perpendicular to faces	EN 1607	TR80	≥80	kPa
Fire behaviour				
Reaction to fire (product as such)	EN 13501-1	Euroclass	B s2, d0	
Hygrometric properties				
Water vapour transmission coefficient (tabulated value)	EN ISO 10456	μ	50-100	
Water absorption				
long term water absorption by total immersion	EN 12087	WL(T)2	≤2	vol-%

Insulation Values		
Thickness (mm)	λ_D -value (W/m.K)	R_D -value (m ² .K/W)
40	0.020	2.00
50	0.020	2.50
60	0.020	3.00
70	0.020	3.50
80	0.020	4.00
100	0.020	5.00
120	0.020	6.00

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

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Other / Miscellaneous

Production Plant

Wevelgem Zuidstraat 15, BE-8560 Wevelgem, Belgium

Storage

Inside, stock dry and protected from direct sunlight

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