

# 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

## Board

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 <sup>3</sup>		

### 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
<b>Thermal conductivity (declared value)</b>				
All thicknesses	EN 13165	$\lambda_D$	0.020	W/m.K
<b>Mechanical properties</b>				
Compressive stress or compressive strength at 10% deformation	EN 826	CS(10/ Y)150	≥150	kPa

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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
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
<b>Fire behaviour</b>				
Reaction to fire (product as such)	EN 13501-1	Euroclasse	B s2, d0	
<b>Hygrometric properties</b>				
Water vapour diffusion coefficient (foam)	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)	$\lambda_D$ -value (W/mK)	$R_D$ -value (m <sup>2</sup> 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	
<b>Standards</b>	
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/handling

Stock dry and protected from direct sunlight

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