



DATA SHEET FOR NOBILIUM®THERMALPANEL

Marked CE unique code MW-hEN13162-T5-CS(10/y)20-PL(5)6150-MUx2,86-TR25

Property	Value	Unit of measurement	Standard
Panel NOBILIUM®THERMALPANEL			
Thickness	9	mm	UNI EN 823
Dimensions	120 (±0,3) x 60 (±0,8)	cm	UNI EN 822
Squaring tolerance	<1	%	UNI EN 824
Flatness tolerance	<1	%	UNI EN 825
Density	187 ± 10	kg/m ³	UNI EN 1602
Resistance to compression with crushing of 10% (force necessary for compression of 0.9mm)	20,0	kPa	UNI EN 826
Resistance under concentrated load	6150,00	N	UNI EN 12430
Resistance to parallel traction to the faces in the thickness sense: Longitudinal direction	1478	kPa	UNI EN 1608
Resistance to parallel traction to the faces in the thickness sense: Transversal direction	1735	kPa	UNI EN 1608
Thermal Conductivity λ 10°C	0.032	W·m ⁻¹ /K	UNI EN 12667
Thermal resistance R _d 10°C	0.280	m ² ·K/W	UNI EN 12667





Thermal conductivity -150°C	0,017	Wm /K	UNI EN 12667
Thermal conductivity -80°C	0,024	Wm /K	UNI EN 12667
Thermal conductivity 100°C	0,043	Wm /K	UNI EN 12667
Thermal conductivity 200°C	0,064	Wm /K	UNI EN 12667
Thermal conductivity 300°C	0,081	Wm /K	UNI EN 12667
Thermal conductivity 400°C	0,010	Wm /K	UNI EN 12667
Thermal conductivity 500°C	0,13	Wm /K	UNI EN 12667
Thermal conductivity 600°C	0,15	Wm /K	UNI EN 12667
Elastic module E	136,0	kPa	UNI EN 826
Dimensional stability under specific temperature and humidity conditions - DS(TH) 48h, 70°C, 90%Rh	<1	%	UNI EN 1604
	Class of tolerance DS (70, 90) 1		UNI EN 1604
Reaction to fire (Euroclass)	A1		UNI EN ISO 1182 UNI EN 13823
Specific heat at 20°C	2090	J/Kg°K	UNI EN 12524
Specific heat at 40°C	2290		
Specific heat at 60°C	2470		
Resistance to the passage of water vapour	μ 2,86		UNI EN 12086
Equivalent thickness of air Sd	0,02m		

The NOBILIUM®THERMALPANEL product is a natural and 100% recyclable product, with **CE marking** in **conformity with hEN 13162:2012 + A1:2015**

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