DATA SHEET FOR NOBILIUM®THERMALPANEL

Revision dated 01.03.2026, which cancels and replaces all previous versions.

Property	Value	Unit of measurement	Standard
Thickness	9 (+\-1)	mm	UNI EN 823
Dimensions	1200 (±2,5) x 600 (+\-2,5)	mm	UNI EN 822
Determination TVOC	10	(µg/m³)	UNI EN 16516
Squaring tolerance	<1	%	UNI EN 824
Flatness tolerance	<1	%	UNI EN 825
Density	187 ± 15	kg/m³	UNI EN 1602
Resistance to compression with crushing of 10% (force necessary for compression of 0,9mm). CS(10)50	58 ± 5	kPa	UNI EN 826
Resistance to compression with crushing of 20% (force necessary for compression of 1,8mm). CS(20)150	189 ± 39	kPa	UNI EN 826
Resistance to compression with crushing of 30% (force necessary for compression of 2,7mm). CS(30)290	343 ± 47	kPa	UNI EN 826
Resistance under concentrated load	6150,00	N	UNI EN 12430
Resistance to perpendicular traction to the faces	>30	kPa	UNI EN 1607
Thermal Conductivity λD 10°C sp. 9mm Thermal Conductivity λD 10°C sp. 3mm	0.032 0,029	W/mK W/mK	UNI EN 12667 UNI EN 12667
Thermal Resistance R_d 10°C sp. 9mm Thermal Resistance R_d 10°C sp. 3mm	0.280 0,103	$m^2 \cdot K/W$ $m^2 \cdot K/W$	UNI EN 12667 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 Class of tolerance DS (70, 90) 1	%	UNI EN 1604 UNI EN 1604
Reaction to fire	A1		UNI EN ISO 1182
Specific heat of the panel	1030	J/Kg·K	UNI EN 10456
Specific heat of the fiber	2090	J/Kg·K	UNI EN 12524
Equivalent thickness of air Sd	0.02	m	UNI EN 12086
Resistance to the passage of water vapour	1	μ	UNI EN 10456

The NOBILIUM®THERMALPANEL product is a natural and 100% recyclable product, with **CE marking** in **conformity with hEN 13162:2012 and compliant with CAM EN 14021:2016 and EN 16516 SRLwith BIOSAFE environmental certification**

AGOSTI NANOTHERM

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