

TESTS	STANDARD	PROPERTY OR ATTRIBUTE	MEASURE UNIT	RESULTS
1. INSPECTION REQUIREMENTS				
Colour, pattern and surface finish	EN 438-8 Apto. 5.2.2.3	Due to the fact that wood is a natural product, each veneer may be considered as unique. Colour and structure differences are considered as normal. Singularities such as knots and resin inclusions are not considered as defects, but as a part of the décor. There are differences in light fastness performances depending on the wood species and the source of the wood.		
2. DIMENSIONAL TOLERANCES				
Thickness (t)	EN 438-2 Apto. 5	$5/16 \leq t \leq 3/8$	in	± 0.0197
Flatness (1)	EN 438-2 Apto. 9	$t = 5/16$ and $3/8$	in/ft	0.06
Length and width	EN 438-2 Apto. 6	–	in	+ 0.3937 / - 0
Edge straightness	EN 438-2 Apto. 7	–	in/ft	0.018
Edge squareness	EN 438-2 Apto. 8	–	in/ft	0.018
3. PHYSICAL PROPERTIES				
Dimensional stability at elevated temperature	EN 438.-2 Apto.17	Longrain	% max	≤ 0.3
		Crossgrain		≤ 0.6
Resistance to impact by large diameter ball	EN 438-2 Apto.21	Maximal height for which no visible surface cracking or imprint greater than 10 mm	mm	$\geq 1,800$
Determination of graffiti resistance	ASTM D 6578:2000	Permanent blue marker	Cleanability level	Level 3
		Spray red paint		Level 4
		Wax black crayon		Level 2
		Water based ink black marker		Level 1
4. WEATHER RESISTANCE REQUIREMENTS				
Resistance to artificial wheathering (Irradiance total 325 MJ/m2)(2)	EN 438-2 Apto.29 Rating according to EN 20105 – A02	Contrast	Grey scale rating	≥ 3
		Aspect	Rating	≥ 4
5. CE SAFETY REQUIREMENTS				
Thermal resistance/Conductivity	EN 12524	Thermal conductivity (l)	W/m K	0.3
Water vapour permeability	EN 438-7 Apto 4.4	Wet cup method	μ	110
		Dry cup method		250
Resistance to fixings	EN 438-7 Apto 4.5	Screw holding value for t = 5/16 in	N	3.000
		Screw holding value for t = 3/8 in		4.000
Flexural strength	EN ISO 178	Longrain	Mpa	≥ 80
		Crossgrain		≥ 80
Flexural Modulus	EN ISO 178	Longrain	Mpa	≥ 9000
		Crossgrain		≥ 9000
Resistance to climatic shock	EN 438-2 Apto.19	Appearance	Rating	≥ 4
		Flexural strength	Index Ds	≥ 0.80
		Elastic modulus	Index Dm	≥ 0.80
Density	EN ISO 1.183	Density	gr/cm3	≥ 1.35
Resistance to wet conditions	EN 438-2 Apto.15	Moisture absorbed	%	≤ 5
		Appearance	rating	≥ 4
6. CE SAFETY REQUIREMENTS - REACTION TO FIRE				
Reaction to fire	ASTM E 84	Classification	Class	A

(1) Provided that the laminates are stored in the manner and conditions recommended by the manufacturer.

(2) NATURSOFFIT is classified as EGS / EGF with a total radiant exposure of 325 MJ/m². In NATURCLAD the total radiant exposure is 650 MJ/m² (EDS / EDF)