Prodema
NATURAL WOOD BEAUTY

TECHNICAL DATA SHEET

Doc.: FTNEPTUNO
Rev.: 08-Mar 2017

MATERIAL:	THICKNESS:	SURFACE FINISH:
NEPTUNO	6-22 mm	TEXTURE*

TESTS	RESULTS FTNEPTUNO Rev: 08	PROPERTY OR ATTRIBUTE	MESURE UNIT	STANDARD
1. INSPECTION REQUIREMENTS				
Colour, pattern and surface finish	Due to the fact that wood is a natural product, each veneer may be considered as unique. Slight 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 decor. There are differences in light fastness performances depending on the wood species and the source of the wood.			EN 438-8 Part 5.2.2.3
2. DIMENSIONAL TOLERANCES				
Thickness (t)	**± 0,40** **± 0,50** **± 0,60** **± 0,70** **± 0,80**	6,0 ≤ t < 8,0 8,0 ≤ t < 12,0 12,0 ≤ t < 16,0 16,0 ≤ t < 20,0 20,0 ≤ t < 25,0	mm	EN 438-2 Part 5
Flatness	**8,0** **5,0**	6,0 ≤ t < 10,0 10,0 ≤ t	mm/m	EN 438-2 Part 9
Length and widtht	**+ 10 / - 0**	-	mm	EN 438-2 Part 6
Edge strightness	**1,5**	-	mm/m	EN 438-2 Part 7
Edge squareness	**1,5**	-	mm/m	EN 438-2 Part 8
3. PHYSICAL PROPERTIES				
Resistance to surface wear	**≥ 350**	Wear resistance	Revolutions	EN 438-2 Part 10
Resistance to scratching	**3**	Force	Rating	EN 438-2 Part 25
Dimensional stability at elevated temperatures	**0,3** **0,6**	Cumulative dimensional change	% max Longrain % max Crossgrain	EN 438-2 Part 17
Resistance to impact with large diameter ball	**≥ 1.800**	Maximum height for witch no visible surface cracking or imprint greater than 10 mm	mm	EN 438-2 Part 21
Flexural strength	**≥ 80** **≥ 80**	Lograin Cossgrain	MPa	EN ISO 178
Flexural Modulus	**≥ 9.000** **≥ 9.000**	Lograin Cossgrain	MPa	EN ISO 178
Light fastness (Xenon arc)	**>2 (2)**	Contrast	Grey scale rating	EN 438-2 Part 27
4. CE SAFETY REQUIREMENTS				
Reaction to fire	**C-s1,d0**	Euroclass	Classification	EN 13.501-1
Water vapour permeability	**110** **250**	Wet cup method Dry cup method	μ	EN 438-7 Part 4.4
Resistance to fixings	> **2.000** > **3.000** > **4.000**	Screw holding value t **≥ 6 mm** Screw holding value t **≥ 8 mm** Screw holding value t **≥ 10 mm**	N	EN 438-7 Part 4.5
Density	**≥ 1,35**	Density	g/cm³	EN ISO 1.183
Resistance to inmersion in bolling water	**Pass**	Appearance	Delamination pass or fail	EN 438-2 Part 12
Release of formaldehyde	**E1**	Release of formadehyde	Rating	EN 438-7 Part 4.11
5. ADDITIONAL REQUIREMENTS UPON REQUEST				
Evaluation of antimicrobial activity	**99,99**	% reduction after 24h (S. aureus and E.coli)		ISO 22196 (JIS Z 2801)

*Except for the colour Light Brown, Rustik, Mocca, Cream, Deep Brown, Dark Brown, Ice Grey, which have the surface finish Smooth
(1) Provided that the laminates are stored in the manner and conditions recommended by the manufacturer.
(2) Maple <2