Prodema
NATURAL WOOD BEAUTY

TECHNICAL DATA SHEET

Doc.: FTPROLIGNA
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MATERIAL:	THICKNESS:		SURFACE FINISH:
PROLIGNA	8 - 26 mm		TEXTURE
TESTS	**RESULTS**	**MEASUREMENT 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)	**+1,6/-1 (t = 8)** **+1,4/-1,1 (t = 11)** **+1,6/-1,1 (t = 14)** **+1,3 / -1,3 (t = 17)** **+1,3 / -1,1 (t = 20)** **+1,3 / -1,1 (t = 26)**	mm	EN 438-2 Part. 5
Tolerance for thickness variations inside a panel	**≤ 6**	mm	EN 315:1993
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	**-**	Revolution	EN 438-2 Part. 10
	≥ 350	Wear resistance	
Resistance to immersion in boiling water	**Pass**	Delamination Pass / Fail	EN 438-2 Part. 12
Resistance to scratching	**3**	Rating	EN 438-2 Part. 25
Lightfastness (Xenon arc)	**≥ 2 (A)**	Grey scale rating	EN 438-2 Part. 27
Flexural strength	**≥ 70 (Longrain)** **≥ 60 (Crossgrain)**	MPa	EN 310
Flexural modulus	**≥ 7.000 (Longrain)** **≥ 6.000 (Crossgrain)**	MPa	EN 310
Perpendicular tensile strength	**≥ 2**	MPa	ASTM C 297
Density	**≥ 0,75**	g/cm³	-
4. CE SAFETY REQUIREMENTS			
Reaction to fire	**D-s2,d0**	Classification	EN 13.501-1
Resistance to fixings	**≥ 150 (t < 15 mm)**	N/mm	EN 438-7 Part. 4.5
	≥ 2.000 (t ≥ 15 mm)	N	
Bonding strength	**≥ 1**	MPa	EN 438-7 Part 4.7
Flexural tensile strength	**≥ 1**	MPa	EN 438-7 Part 4.8
Content of pentachlorophenol	**≤ 5**	ppm	EN 438-7 Part. 4.10
Release of formaldehyde	**E 1**	Class	EN 717-2
Glue-line quality	**5**	Rating	EN 438-7 Part 4.13.3
Resistance to elevated temperature	**No damage**	Result	EN 438-7 Part. 4.13.3
Water resistance	**≤ 7**	%	EN 438-7 Part. 4.13.3
5. ADDITIONAL REQUIREMENTS UPON REQUEST			
Evaluation of antimicrobial activity	**99,99**	% reduction after 24h (S. aureus and E.coli)	ISO 22196 (JIS Z 2801)

(A) Except wood Maple, that gets Grey scale Rating <2