

Prodema [®] Made to last wooden Products	<h1 style="text-align: center;">TECHNICAL DATA SHEET</h1>			Doc.: FTPRODEXFIREPROOF	
				Rev.: 01 – Feb 2013	
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MATERIAL	THICKNESS			SURFACE FINISH:	
PRODEX FIREPROOF	8 – 22 mm			SMOOTH	
TESTS	RESULTS	PROPERTY OR ATTRIBUTE	MEASURE 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. 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.				EN 438-8 Part 5.2.2.3
2. DIMENSIONAL TOLERANCES					
Thickness (t)	± 0,50 ± 0,60 ± 0,70 ± 0,80	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 (1)	5,0 3,0	6,0 ≤ t < 10,0 10,0 ≤ t	mm/m	EN 438-2 Part 9	
Length and width	+ 10 / - 0	----	mm	EN 438-2 Part 6	
Edge straightness	1,5	----	mm/m	EN 438-2 Part 7	
Edge squareness	1,5	----	mm/m	EN 438-2 Part 8	
3. PHYSICAL PROPERTIES					
Dimensional stability at elevated temperatures	0,30 0,60	Longrain Crossgrain	% max.	EN 438-2 Part 17	
Resistance to impact by large diameter ball	≥ 1.800	Maximum height for which no visible surface cracking or imprint greater than 10 mm (t ≥ 6 mm)	mm	EN 438-2 Part 21	
Tensile strength	> 60	Longrain Crossgrain	MPa	EN ISO 527-2	
Determination of graffiti resistance	Level 4 Level 4 Level 1 Level 2	Permanent blue marker Spray red paint Wax black crayon Water based ink black marker	Cleanability level	ASTM D 6578:2000	
4. WEATHER RESISTANCE REQUIREMENTS					
Resistance to UV light	≥ 3 ≥ 4	Contrast Aspect	Grey scale rating Rating	EN 438-2 Part 28 Rating according to EN 20105 – A02	
Resistance to artificial weathering (Including light fastness)	≥ 3 ≥ 4	Contrast Aspect	Grey scale rating Rating	EN 438-2 Part 29 Rating according to EN 20105 – A02	
5. CE SAFETY REQUIREMENTS					
Reaction to fire	B-s1,d0	Euroclass t ≥ 8 mm	Classification	EN 13.501-1	
Thermal resistance/ conductivity	0,281	Thermal conductivity (λ)	W/m K	EN 12664	
Water vapour permeability	110 250	Wet cup meted Dry cup method	μ	EN 438-7 Part 4.4	
Resistance to fixings	> 3.000 > 4.000	Screw holding value for t = 8 mm Screw holding value for t ≥ 10 mm	N	EN 438-7 Part 4.5	
Flexural strength	≥ 80 ≥ 80	Longrain Crossgrain	MPa	EN ISO 178	
Flexural Modulus	≥ 9.000 ≥ 9.000	Longrain Crossgrain	MPa	EN ISO 178	
Resistance to climatic shock	≥ 4 ≥ 0,95 ≥ 0,95	Appearance Flexural strength Elastic modulus	Rating Index Ds Index Dm	EN 438-2 Part 19	
Density	≥ 1,35	Density	g/cm ³	EN ISO 1.183	
Resistance to wet conditions	≤ 8 ≥ 4	Moisture absorbed Appearance	% Rating	EN 438-2 Part 15	

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