

3-LAYER PANEL - TECHNICAL DATA

Material	DendroLight® 3-layer panel with 4 mm HDF			
Species of wood	Pine			
	Standard	Unit	Result	
Thickness		mm	25	60
Structure		mm (HDF +ML+HDF)	4+17+4	4+52+4
Glue type	ML – PVAc; Surface - EPI			
Density	EN 323	kg/m ³	477	385
Bending strength	EN 310	N/mm ² long gr.	18,8	9,5
		N/mm ² cross gr.	17,0	8,7
E-module	EN310	N/mm ² long gr.	2390	1370
		N/mm ² cross gr.	2290	1240
24 h swelling in thickness	EN 317	%	8,2	3,6
Sound insulation index R _w	EN 717-1	dB	26	31
Internal Bond	EN 319	N/mm ²	0,48	0,44
Withdrawal of screws	EN 320	N (from plane)	760	950
		N (from margin)	530	560

Material	DendroLight® 3-layer panel with 4 mm plywood			
Species of wood	Pine			
	Standard	Unit	Result	
Thickness		mm	25	60
Structure		mm (plywood+ML+plywood)	4+17+4	4+52+4
Glue type	ML – PVAc; Surface - EPI			
Density	EN 323	kg/m ³	446	352
Bending strength	EN 310	N/mm ² long gr.	41,0	21,1
		N/mm ² cross gr.	21,4	11,1
E-module	EN310	N/mm ² long gr.	7670	4540
		N/mm ² cross gr.	3290	1850
24 h swelling in thickness	EN 317	%	4,3	1,9
Internal Bond	EN 319	N/mm ²	0,98	0,76
Withdrawal of screws	EN 320	N (from plane)	1320	1290
		N (from margin)	580	600