

DendroLight[®]

Highly engineered timber products

DendroLight's unique structure ensures reduced weight, increased stability, ease of processing and wide application possibilities.



FD 30



35 dB



JAMES
latham
THE NATURAL CHOICE

DendroLight®

DOOR BLANK

for FIRE DOORS (FDB)



DendroLight team in cooperation with their partners* have developed and certified **30 minute** fire door concept that also reached **35 dB sound insulation** performance.



What is important, these results have been achieved by using standard components (DL core and MDF) without adding any chemicals or extra layers of fire retardant materials.

- Lightweight
- Easy processing
- Terrific stability

*DendroLight Door blanks distributed by Lathams offer fire resistance performance FD30 to BS 476 Pt.22.

Standard Formats (mm)	915 x 2135; 1220 x 2440; others on request
Thickness	44
Surface material	HDF; PLY;
Surface layer thicknesses	6

DendroLight®

DOOR BLANK (DB)



Several options available:

- Door blanks with MDF (HDF) or solid spruce frame;
- Door blanks for lipping with hardwood (easy adjustable dimensions);
- “made to size” and “customer concept” products.

	Standard Formats (mm)
Height	2080
Width	800; 1000; 1350; others on request
Thickness	40; 44; 50; 54; 60
Surface material	HDF (MDF); PLY;
Surface layer thicknesses	3; 4; 6,5

MDF (HDF) – Medium-Density Fiberboard (High-Density Fiberboard)

PLY -Plywood

For Sliding Doors

	Standard formats (mm)
Max. Format	2080x4080
Thickness	25; 30; 40; 44
Surface material	HDF (MDF)
Surface layer thicknesses	3; 4

MDF (HDF) – Medium-Density Fiberboard (High-Density Fiberboard)

DendroLight® CORE MATERIAL (ML)



DendroLight® Core (ML) material is a highly engineered timber product with unique structure that **ensures at least 40% weight reduction and increased stability** – it swells only 0.5% and does not have any internal tensions.

- Easy processing
- Lightweight (250-300 kg/m³);
- Excellent stability - swelling according to EN standard only 0,5 %;
- Low glue content (3-4%);
- Cost-effective logistics;

Can be faced with almost any type of materials available in sheets (HDF, chipboard, plywood decks and even solid wood, etc.).

Applications: sandwich panel and door production; carpentry products and design elements

	Standard Formats (mm)									Min (mm)	Max (mm)
Length	2100									1000	3000
Width ML	560 600									-	-
Width MLR*	504 570									-	-
Thicknesses	14	17	19	22	31	32	36	42	52	14	200
PCS per pallet	156	128	114	100	70	68	60	52	42	-	-

Species of wood: pine, spruce, aspen

* DendroLight® Core with solid timber ribs (MLR)

has been specially designed for **best result with solid wood surfaces**. This solution allows achieving even better stability characteristics and to ensure equal strength in all orientations of the panel.



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FURNITURE PANEL (3L)



DendroLight® + MDF (HDF) or PLYWOOD. The unique technical characteristics of DendroLight furniture panels (3L) are provided by the use of the DendroLight® core. Its structure ensures **stability, ease of processing and good screw withdrawal characteristics.**

- Excellent process-ability;
- Good SCREW withdrawal – 76 kg and more;
- Light weight (360-477 kg/m³ even with such dense surfaces as HDF);
- High internal bond (0,44 N/mm²);
- High stiffness;
- Cost-effective logistics;
- Excellent stability performance.

	Standard Formats (mm)									
Surface material	MDF(HDF); PLY									
Standard dimensions	PLY: 1220x2440									
	MDF (HDF):									
	2070	2080				2850		4080		
	2800	4080	2040	1010	805	1220	605	1020		
Surface layer thicknesses	MDF (HDF): 3; 4; PLY: 4; 6,5*; other on request									
Total thicknesses	20	22	25	30	40	44	50	54	60	≤80
PCS per pallet (HDF:4080x2080)	25	22	20	16	12	11	10	9	8	-
PCS per pallet (PLY:1220x2440)	55	50	44	36	27	25	22	20	18	-

*Total thicknesses starting from 30mm and up

MDF (HDF) – Medium-Density Fiberboard (High-Density Fiberboard)

PLY -Plywood

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TABLE TOPS (TT)



DendroLight® Table Tops are designed in way that increases vibration damping, compression strength and stiffness characteristics. Increased performance is achieved by the unique solid wood reinforced core material.

- Free span without any reinforcing substructures
- Lightweight
- Increased bending strength & stiffness
- Direct table leg fastening by screws
- Terrific screw withdrawal characteristics
- Easy edging (no matter how the table is formatted or shaped)

	Standard Formats (mm)			Max (mm)
Surface material	4mm MDF(HDF) (ply on request)			-
Thicknesses	30	40	50	-
Width	600	800	1000	-
Length	2080			3000