

Lunawood Technical Datasheet

Essential Characteristics	White Ash (Fraxinus americana)	Yellow Poplar (Liriodendron tulipifera)	Spruce (Picea abies)	Pine (Pinus sylvestris)	Harmonized National standard
Modification Method	Thermally modified wood	Thermally modified wood	ThermoWood®	ThermoWood®	
Density	630 kg / m³	490 kg / m³	420 kg / m³ 26.22 lbs/ft³*	420 kg / m³ 26.22 lbs/ft³*	SFS-EN 317
Reaction to fire			Class B 1x6	Class B	ASTM E84 SFM 12-7A-1
Screw traction resistance	2080 N, End-grain 1960N	1250 N, End- grain 650N			SFS-EN 1382
Thermal conductivity	0.15 W / (m·K)	0.13 W / (m·K)	0,09 W / (m·K)	0,09 W/(m·K)	EN ISO 10456 EN ISO 13787 + EN 12667
Durability class	Class 1	Class 2-3	Class 2	Class 2	EN 350-1
Use class	Class 3	Class 3	Class 3	Class 3	EN 335
Stability, shrinking and swelling			Tangential fibre direction 4% Radial fibre direction 2%	Tangential fibre direction 4% Radial fibre direction 2%	SFS-EN 317
Equilibrium Moisture			7,3%	6,4%	EN 13183-1
Brinell Hardness (HB)	3.3	1.7	1,52 N / mm² 220.46 psi*	1,4 N / mm² 203.05 psi*	SFS-EN 1534
Janka	7556 N	2812 N	1700 N 382 lbf* 173.34 kgf*	1700 N 382 lbf* 173.34*	ASTM D143-94

* Calculated with unit conversion from original test result