



# SOLARWOOD

## TECHNICAL DATASHEET

Essential Characteristics	White Ash ( <i>Fraxinus americana</i> )	Yellow Poplar ( <i>Liriodendron tulipifera</i> )	Pine ( <i>Picea abies</i> )	Southern Yellow Pine ( <i>Pinus tidea</i> )	Harmonized National standard
Density	630 kg / m <sup>3</sup>	490 kg / m <sup>3</sup>	420 kg / m <sup>3</sup> 26.22 lbs/ft <sup>3</sup> *	(545) to (670) kg/m <sup>3</sup>	SFS-EN 317
Reaction To Fire	Class B	Class B	Class B 1X6	Class B	ASTM E84 SFM 12-7A-1
Screw Traction Resistance	2080 N, End-grain 1960N	1250 N, End- grain 650N	TBD	TBD	SFS-EN 13446
Thermal Conductivity	0.15 W / ( mxK)	0.13 W / (mxK)	0,09 W / (mxK)	.12-0.15 W / (mxK)	EN ISO 10456 EN ISO 13787 + EN 12667
Durability Class	Class 1	Class 2-3	Class 2	Class 1	EN 350-1
Use Class	Class 3	Class 3	Class 3	Class 3	EN 335
Stability, Shrinking & Swelling	Tengential fibre direction 4% Radial fibre direction 2%	Tengential fibre direction 4% Radial fibre direction 2%	Tangential fibre direction 4% Radial fibre direction 2%	Tengential fibre direction 7% Radial fibre direction 5%	SFS-EN 317
Equilibrium Moisture	6.5%	6.5%	7.3%    6.4	7.2%	EN 13183-1
Brinell Hardness (Hb)	3.3	1.7	1,52 N / mm <sup>2</sup> 220.46 psi*    1.4N	3.1	SFS-EN 1534
Janka	7556 N	2812 N	1700 N 382 lbf* 173.34 kgf*	870	ASTM D143-94

\* Calculated with unit conversion from original test result