



Lunawood Technical Datasheet

Essential characteristics	Pine (<i>Pinus sylvestris</i>)	Spruce (<i>Picea abies</i>)	Harmonized standard
Density	420 kg/m ³	420 kg/m ³	SFS-EN 317
Reaction to fire	D-s2,d0	D-s2,d0	SFS-EN 13502-1 + A1
Screw traction resistance	19,45 ± 1,47 N/mm ²	-	SFS-EN 13446
Thermal conductivity	0,09 W/mK	0,09 W/mK	EN ISO 13787 + EN 12667
Durability class	Class 2 Thermo-D	Class 2 Thermo-D	EN 350-1
Use class	Class 3 Thermo-D	Class 3 Thermo-D	EN335
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 content	6,40 %	7,30 %	EN 13183-1
Brinell Hardness	1,4 N/mm ²	1,52 N/mm ²	SFS-EN 1534
Janka	1700 N	1700 N	ASTM D143-94
TVOC	Thermo-D 0,077 mg/m ² h	Thermo-D 0,022 mg/m ² h	ISO 16000-9:2006 SFS-EN 16516:2017
CO ₂ emissions (EPD)	117 kg CO ₂ eq/m ³	117 kg CO ₂ eq/m ³	Lunawood EPD