LUNAWOOD

Lunawood Technical Datasheet

Essential characteristics	Pine (Pinus sylvestris)	Spruce (Picea abies)	Harmonized standard
Density	420 kg/m³ 26,22 lbs/ft³*	420 kg/m³ 26,22 lbs/ft³*	SFS-EN 317
Reaction to fire	Class B, FSI 75, SDI 200	Class B, FSI 55, SDI 190	ASTM E84
Screw traction resistance	19,45 ± 1,47 N/mm^2 2821,8 ± 213 psi*	-	SFS-EN 13446
Thermal conductivity	0,09 W/(m K)	0,09 W/(m K)	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 N7mm^2 203,05 psi*	1,52 N/mm^2 220,46 psi*	SFS-EN 1534
Janka	1700 N 382 lbf* 173,349 kgf*	1700 N 382 lbf* 173,349 kgf*	ASTM D143-94
TVOC	Thermo-D 0,045 mg/m^{2}h	Thermo-D 0,045 mg/m^{2}h	KET 3300495
CO2 emissions (EPD)	117 kg CO_2 eq/m³ 7,30 lbs CO_2/ft³*	117 kg CO_2 eq/m³ 7,30 lbs CO_2 /ft³*	Lunawood EPD

* calculated with unit conversion from original test result