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	D-s2,d0 Class B, FSI 75, SDI 200	D-s2,d0 Class B, FSI 55, SDI 190	SFS-EN 13502-1 + A1 ASTM E84
Screw traction resistance	19,45 ± 1,47 N/mm² 2821.8 ± 213 psi*	-	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/mm² 203.05 psi*	1,52 N/mm² 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 0,077 mg/m²h	Thermo-D 0,022 mg/m²h	ISO 16000-9:2006 SFS-EN 16516:2017
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