



ThermoPine

Pinus sylvestris

General Information

Wood type	Thermomodified Nordic Softwoods
Country of origin	Finland
Certifications	PEFC, FC, International Thermowood Association Member
Thermal treatment modification variables	ThermoPine D (212 °C) ThermoPine S (190 °C)
Serviceable life (years)	15-25
Appearance after application	Uncoated wood naturally weathers and greys over time from UV and rain exposure. Regular maintenance preserves its appearance and prevents surface cracks

Physical and Mechanical Properties

Characteristics	ThermoPine	Equals to following European standards
Density (kg/m ³) RH = 65%, t=20° conditions.	420-430	SFS-EN 317
Fire response category	D - s2, d0	SFS-EN 13502-1 + A1
Moisture Content (%) After transportation to customer's yard.	4-6	EN 13183-1
Brinell Hardness (N/mm ²) Ø 10 mm, F = 1000 N	15,5±0,6	EN 1532
Janka Hardness (N)	1700	ASTM D143-94
Durability class	Class 2 Thermo-D	EN 350-1
Use Class *	Class 3 Thermo-D	EN 335
Thermal properties (W/ (m K))	0,09	EN ISO 13787 + EN 12667
Screw traction resistance (N/mm ²) **	18,2 ±2,2	EN 1382
Permeability and Thermal Conductivity	Reduced compared to normal lumber	-