

MODIFIED WOOD TECHNOLOGY

KLAASWOOD® = Gen 2 (low heat, high pressure)

ThermoWood Association = Gen 1 (high heat, steam)

Data	Unit of Measure	KWD	TWA	Notes
Process Time	Hours	8	36	Less time = less brittle, less strength loss & quicker lead times
Process Temp	Fahrenheit	338	413	Higher temperatures means increased degradation, strength loss, brittleness and darker color
Process Pressure	PSI	174	Atmospheric	
CO2 Process Emissions	Kg/CO2/MBF	104-130	260-520	Fuel source: wood pellets without re-forestation: 367 g/kWh
Water Consumption	Gal/MBF	0	125	Water is increasingly a scarce resource and partly non-renewable depending on source
Moisture	Percentage (%)	<=6	7	@ standard conditions (68°F, 65%RH)
Durability	Class Rating	1 - "Very Durable"	2 - "Durable"	

