

Table 1. - Time required to sterilize pallets and components using different heat treatments.

Trial	Description	Control Settings	Description Of Product	Minutes to sterilize at 133°F
Trial 1	Pallets Steaming Schedule	Heating Coils: Off	1.) 1-1/2" by 3-1/2" by 42" gum Stringer	65
		Steam Spray: On-controlled by WB	2.) 1-1/2" by 3-1/2" by 42" gum Stringer	70
		Vents: Closed	3.) 3-1/2" by 2-3/4" by 5" white oak Block	100
		Dry Bulb Setting: None	4.) 3-1/2" by 2-3/4" by 5" red oak Block	100
		Wet Bulb Setting: 160°F		
		<i>* Wet bulb stabilized at 156° F after 25 minutes.</i>		
Trial 2	Pallets Dry Heat Schedule	Heating Coils: On	1.) 1-1/2" by 3-1/2" by 42" gum Stringer	80
		Steam Spray: Off	2.) 1-1/2" by 3-1/2" by 42" gum Stringer	85
		Vents: Closed	3.) 3-1/2" by 2-3/4" by 5" white oak Block	115
		Dry Bulb Setting: 180°F	4.) 3-1/2" by 2-3/4" by 5" red oak Block	165
		Wet Bulb Setting: 160°F		
		<i>* Dry bulb reached 183° F after 20 minutes, maximum wet bulb was 150° F.</i>		
Trial 3 (Notes 1&2)	Dead Piled Parts Steaming Schedule	Heating Coils: Off	1.) 6" by 5/8" by 47-1/4" poplar - Stack 36"wide by 47-1/4"long by 41"high	734
		Steam Spray: On-controlled by WB	2.) 6" by 3-1/2" by 48" red maple - Stack 38-1/2"wide by 48"long by 40-1/2"high	933
		Vents: Closed	2.) 6" by 3-1/2" by 48" red maple - Stack 38-1/2"wide by 48"long by 40-1/2"high	941
		Dry Bulb Setting: None	4.) 3-1/2" by 1-5/8" by 42" mixed - Stack 42"wide by 35-1/4"long by 32-3/4"high	248
		Wet Bulb Setting: 160°F		
		<i>* Wet bulb stabilized at 158° F after 30 minutes.</i>		

Notes:

- 1.) Dead piled pallet parts are for individual pallets of material. Longer cants will require more time.
- 2.) Dead piled pallet parts are susceptible to mold after steaming.