

Simpson Multi-Cooler® Data Sheet

The following information is requested so that Simpson Technologies Corporation can perform heat transfer calculations to determine the proper design parameters for a sand cooler to meet your needs. Please supply the information below and return it as soon as possible to Simpson so that we can prepare a quotation for you. When providing maximum temperatures, supply what are considered "standard maximums" and not high temperatures that may occur on rare occasions. Also, please note that conditions must occur simultaneously - for example, it is typically not possible to have the highest return sand temperature occur at the same time as the highest return sand moisture content.

Contact Information

Your name	
Your title	
Mailing Address	
Tel. Number	
E:mail Address	
Company Web Site	

YOUR CONDITIONS:

Inlet Air:	Temperature (dry bulb) _____	Max. Deg. C (Deg F)
	Relative Humidity at above Temperature (or wet bulb temperature) _____	Max.
	Plant Elevation (over sea level) _____	Meters (Feet)
Inlet Sand:	Temperature _____	Max. Deg. C (Deg. F)
	Moisture Content _____	Max. %
	Feed Rate _____	Max. MTPH (US TPH)
Inlet Water:	Temperature _____	Max. Deg. C (Deg. F)
Outlet Sand:	Desired Maximum Temperature _____	*Max. Dec. C (Deg. F)
	Water Content _____	% (+/- 0.3%)

* Studies done in Europe and the United States have shown that temperatures above 49°C cause a significant reduction in compactability and green strength. We suggest this temperature be used as the maximum desired maximum outlet sand temperature. Also, Simpson typically targets 2.0% for the outlet sand moisture content.