

## Heat Stress Stay Time Calculator

- Temperature, Humidity, and dew point all given by sensor in field
- Clothing worn has options for what worker will be wearing
- Work rate allows you to select amount of estimated exertion of work
- Heat Index shows calculated heat index
- Wet bulb temp is calculated using the 1/3 rule and the heat index and dewpoint
- Adjusted wet bulb is calculated to bring in the clothing worn
- Stay time, rest time and liquids is calculated from a OSHA table for Heat Stress monitoring

IIS	Heat Stress Stay Time	e Calculator			
		Calculated Values			
		Heat Index (F°)	71.6		
Temperature (F°) 63	Clothing Wom	Wet Bulb Temp (F°)	60.8		
	3 - Double-layer woven clothing	Adj. Wet Bulb Temp (F°)	63.8		
Relative Humidity (%) 78.67	1 - Work clothes (long sleeves and pants) 2 - Coveralls (w/only underwear undermeath) 3 - Double-layer woven clothing				
Dewpoint (F°) 56.3	4 - SMS Polypropylene Coveralls 5 - Polyolefin coveralls (Tyvek "")	Stay Time (min)	Unimited		
	6 - Limited-use vapor-barrier coveralls	Rest Time (min)	Unimited		
		Fluids (qts)	0.5		
	Calculate				
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		Heat Index (F°)			
		Wet Bulb Temp (F°)			
Temperature (F°)	Clothing Wom   1 - Work clothes (long sleeves and pants)	Adj. Wet Bulb Temp (F°)			
Relative Humidity (%) 0		Auj. Wet buib temp (F)			
	Metabolic Work Rate	Stay Time (min)			
Dewpoint (F°) 0	1 - Easy (250W) Normal walking, moderate lifting V				
		Rest Time (min)			
	Calculate	Fluids (qts)			
Innovative Industrial Solutions, Inc. 2830 Skyline Drive					

Russellville, AR 72802

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👌 IIS Heat Index Calculator				×		
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IIS Heat Stress Stay Time Calculator						
		Calculated Values				
		Heat Index (F°)	71.6			
Temperature (F*) 63	Clothing Wom 3 - Double-layer woven clothing	Wet Bulb Temp (F°)	60.8			
		Adj. Wet Bulb Temp (F°)	63.8			
Relative Humidity (%) 78.67						
Downsint (E%) EC 2	Metabolic Work Rate	Stay Time (min)	Unimited			
Dewpoint (F*) 56.3	B - Hard Work (600W) Laborious work, great exertion 1 - Easy (250W) Normal walking, moderate lifting Moderate (25W) Horeau material handling walking for	Rest Time (min)	Unimited			
Γ	2 - Moderate (425W) Heavy material handling, walking fa 3 - Hard Work (600W) Laborious work, great exertion	Fluids (qts)	0.5			
	Calculate					

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Dewpoint (F°) 56.3	Metabolic Work Rate 3 - Hard Work (600W) Laborious work, great exertion $\checkmark$	Stay Time (min)	Unimited			
		Rest Time (min)	Unimited			
	Calculate	Fluids (qts)	0.5			