

## Residential Energy Code: Wisconsin (CZ 6/7) 2009 IECC Model Code, WI 2009 IECC Code Amendments

Note: This document does not contain all provisions of each code; Only the major changes to the code are listed.

	2009 IECC Model Code	WI 2009 IECC Amendments	
Requirements		Prescriptive Option (322.31-4)	Efficient Equipment (322.31-1+2)
Window U-factor	U-factor: 0.35	U-factor: 0.30	U-factor: 0.35
Wood Frame Wall Insulation	R-value: 20 or 13+5 (CZ 6) 21 (CZ 7)	R-Value: 21/19+5	R-value: 20 or 13+5 (CZ 6) R-value: 21 (CZ 7) U-factor: 0.057 (CZ 6/7)
Basement Wall Insulation	R-value: 15/19 U-factor: 0.050	R-value: 15/19 U-factor: 0.045	R-value: 15/19 U-factor: 0.050
		Exception: When the total basement wall area is less than 50% below grade, the entire wall area is included as part of the area of exterior walls (SPS 322.32)	Exception: When the total basement wall area is less than 50% below grade, the entire wall area is included as part of the area of exterior walls (SPS 322.32)
Crawl Space Wall Insulation	R-value:10/13 U-factor: 0.065	R-value: 15/19 U-factor: 0.045	R-value: 10/13 U-factor: 0.065
Heated Slab Floors	R-5 shall be added to the required slab edge R-values for heated slabs.	R-value: 10/20 U-factor: 0.033  First R-value applies under the entire slab, regardless of depth below grade.	R-value: 10/15 First R-value applies under the entire slab, regardless of depth below grade. Second R-value applies to the slab edge where the



		Second R-value applies to the slab edge where the bottom of the slab is less than 12 inches below grade and should extend to the bottom of the slab and then horizontally 48"	bottom of the slab is less than 12 inches below grade and should extend to the bottom of the slab and then horizontally 48"	
Heating Equipment	Federal Minimum	Federal Minimum	Gas Furnace or Boiler: 90 AFUE Oil-fired Furnace: 83 AFUE Oil-fired Boiler: 84 AFUE	
All other Requirements				
Thermally Isolated Sunroom zone (SPS 322.35)	No requirement	The temperature in the conditioned space shall be controlled as a separate zone or shall use separate heating equipment.		
<b>Fireplaces</b> (402.4.3)	Mandatory: New wood- burning fireplaces shall have gasketed doors and outdoor combustion air	No Requirement		
Duct Insulation (SPS 322.42.1)	Supply ducts in attics shall be insulated to a minimum of R-8. All other ducts shall be insulated to a minimum of R-6.	Supply and return ducts in unconditioned space insulated to minimum R-8  Exception: Ducts or portions thereof in conditioned space		



,	Exception: Ducts or portions thereof in conditioned space	
Hot water pipe insulation (SPS 322.44.3)	No Requirement	Heating pipes in unheated spaces shall be insulated with a minimum of R-4