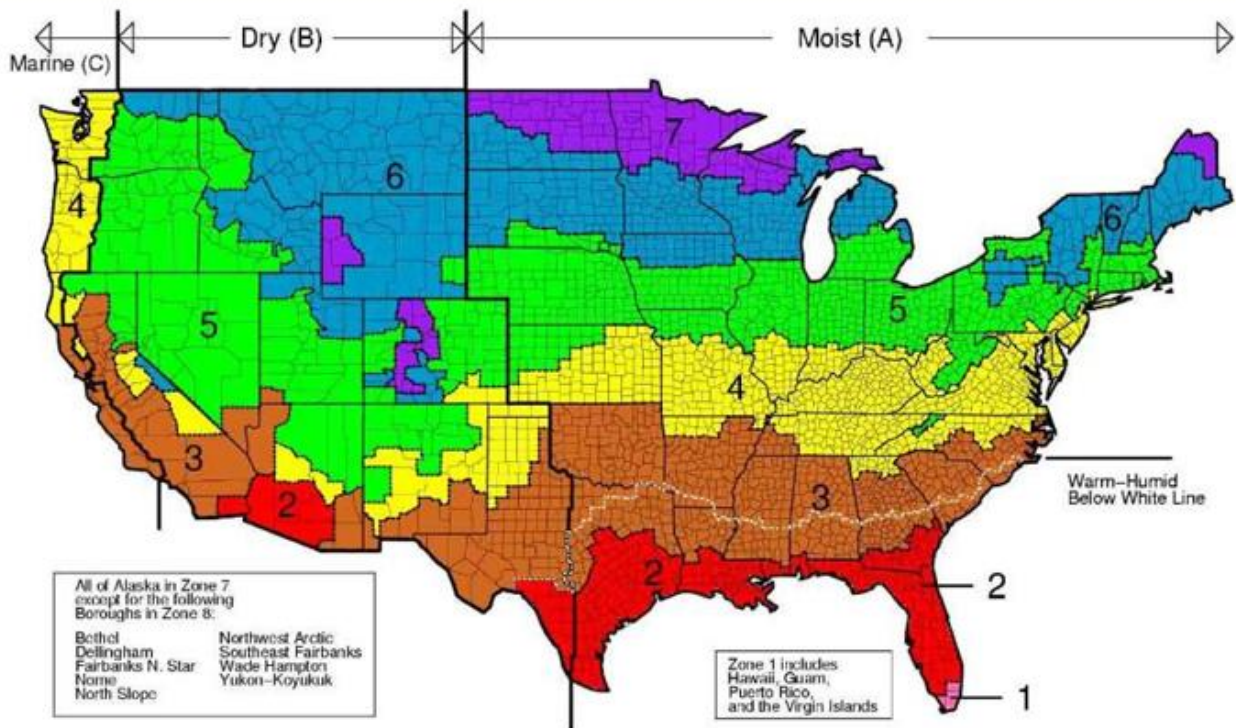


# Climate Zones—2009 IECC



Determining Your Climate Zone is the First Step in the Process

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Climate Zone	Ceiling R-Value	Wood Frame Wall R-Value <sup>b</sup>	Mass Wall <sup>c</sup> R-Value	Floor R-Value	Basement Wall R-Value	Slab R-Value <sup>g</sup> and Depth	Crawlspace <sup>g</sup> Wall R-Value
1	30	13	3/4	13	0	0	0
2	30	13	4/6	13	0	0	0
3	30	13	5/5	19	5/13 <sup>f</sup>	0	5/13
4 except Marine	38	13	5/10	19	10/13	10, 2 ft	10/13
5 and Marine	38	20/13+5 <sup>b,c</sup>	13/17	30 <sup>d</sup>	10/13	10, 2 ft	10/13
6	49	20/13+5 <sup>b,c</sup>	15/19	30 <sup>d</sup>	15/19	10, 4 ft	10/13
7 and 8	49	21	19/21	38 <sup>d</sup>	15/19	10, 4 ft	10/13

Source: Adapted 2009 IECC Table 402.1.1

a. R-values are minimums.

b. The first value is cavity insulation, the second value is continuous insulation or insulated siding, so "13+5" means R-13 cavity insulation plus R-5 continuous insulation or insulated siding.

c. If structural sheathing covers 25 percent or less of the exterior, insulating sheathing is not required where structural sheathing is used. If structural sheathing covers more than 25 percent of exterior, structural sheathing shall be supplemented with insulated sheathing of at least R-2.

d. Or insulation sufficient to fill the framing cavity, R-19 minimum.

e. "15/19" means R-15 continuous insulated sheathing on the interior or exterior of the home or R-19 cavity insulation at the interior of the basement wall. "15/19" shall be permitted to be met with R-13 cavity insulation on the interior of the basement wall plus R-5 continuous insulated sheathing on the interior or exterior of the home. "10/13" means R-10 continuous insulated sheathing on the interior or exterior of the home or R-13 cavity insulation at the interior of the basement wall.

f. Basement wall insulation is not required in warm-humid locations as defined by 2009 IECC Figure 301.1 and Table 301.1.

g. R-5 shall be added to the required slab edge R-values for heated slabs. Insulation depth shall be the depth of the footing or 2 feet, whichever is less in Zones 1 through 3 for heated slabs.