



GreenGuard® XPS
Extruded Polystyrene Insulation Board

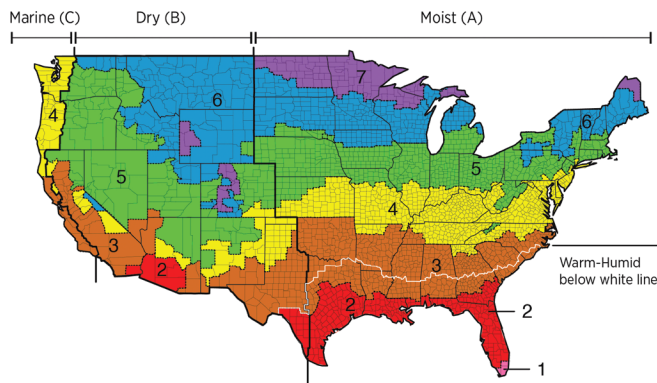
CLIMATE ZONE R-VALUE REFERENCE GUIDE FOR XPS

1 Determine Your Location

2 Determine Your R-Value and Thickness

Recommended Home Insulation R-Values

U.S. Department of Energy R-value per zone recommendations are based on estimated future energy savings to the current cost of insulation.



All of Alaska is in Zone 7 except for the following boroughs in Zone 8: Bethel, Northwest Arctic, Dillingham, Southeast Fairbanks, Fairbanks N. Star, Wade Hampton, Nome, Yukon-Koyukuk, North Slope

Zone 1 Includes Hawaii, Guam, Puerto Rico, and the Virgin Islands

2018 IECC - International Energy Conservation Code

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R-Value

GreenGuard XPS has an R-Value of R-5 per inch

Climate Zone	Wood Frame Wall R-Value	Basement Wall ^b R-Value	Slab ^c R-Value & Depth	Crawl Space ^b Wall R-Value
1	13	0	0	0
2	13	0	0	0
3	20 or 13 + 5 ^a	5 / 13	0	5 / 13
4 ^d	20 or 13 + 5 ^a	10 / 13	10 / 2 ft	10 / 13
5 ^a	20 or 13 + 5 ^a	15 / 19	10 / 2 ft	15 / 19
6	20 + 5 ^a or 13 + 10 ^a	15 / 19	10 / 4 ft	15 / 19
7	20 + 5 ^a or 13 + 10 ^a	15 / 19	10 / 4 ft	15 / 19
8	20 + 5 ^a or 13 + 10 ^a	15 / 19	10 / 4 ft	15 / 19

- a. The first value is cavity insulation, the second value is continuous insulation. Therefore, as an example, "13 + 5" means R-13 cavity insulation plus R-5 continuous insulation
- b. "10/13" means R-10 continuous insulation on the interior or exterior of the home or R-13 cavity insulation on the interior of the basement wall.
- c. "15/19" means R-10 continuous insulation on the interior or exterior of the home or R-13 cavity insulation at the interior of the basement wall. Alternatively, compliance with "15/19" shall be R-13 cavity insulation on the interior of the basement wall plus R-5 continuous insulation on the interior or exterior of the home.
- d. R-5 insulation shall be provided under the full slab area of a heated slab in addition to the required slab edge insulation R-value for slabs, as indicated in the table. The slab edge insulation for heated slabs shall not be required to extend below the slab.
- e. except Marine and Marine 4

