

Energy Star Rebates & Energy Code Requirements

Foard Panels Help Qualify Homes & Businesses for Energy Star Rebates



To determine if your project qualifies, call an energy rater near you:

Vermont: Efficiency Vermont, 1-888-921-5990

New Hampshire: GDS Associates, 603-656-0336

Maine: Horizon Residential Energy Services, 207-221-3221

Massachusetts: ICF International, 800-628-8413

Connecticut: Competitive Resources, 203-294-9677, ext. 115

New York: Building Performance Contract Association, Frazer Dougherty, 800-213-2922

PA, MD, DE, NJ: Comfort Home Program, 717-581-8848

Rhode Island: Conservation Services Group, 888-887-8841

All other states: Find an energy rater at: www.natresnet.org

By building a new energy efficient home, you may qualify for an Energy Efficient Mortgage (EEM).

For more information visit the FSIC website at:

www.pueblo.gsa.gov/cic_text/housing/energy_mort/energy-mortgage.htm



Foard Panels Meet Code-Specified R-values

Building code requirements for R-values are based on center-of-cavity insulation values.

“Center-of-Cavity” refers to the R-value of pre-installed fiberglass-batt or cellulose insulation.

“Whole Surface” R-value measures the heat loss of an entire constructed wall system including insulation.

*Fiberglass systems typically perform at only 65 percent of the stated center-of-cavity R-value, due to the thermal bridging that occurs at each stud and other 2x lumber.

But Here’s the good news: *Foard Panels perform at 96% of their center of cavity R-value. That’s because there’s no thermal bridging with structural insulated panel construction. Therefore SIPs will ultimately out-perform stick and infill systems. Building inspectors know the difference and will allow “whole surface” R-values of SIPs to be used in determining code requirements.

Take a look at the table below. The first yellow column shows the code-specified R-values that use center-of-cavity values. Next to it in yellow are the actual whole-surface R-values you get with fiberglass batt insulation and stick framing. In the blue columns are the whole-surface R-values of Foard Panel EPS and XPS panels in varying thicknesses.

Code Specified Center-of-Cavity R-value	Whole Surface R-value performance Stick and Infill	Whole Surface R-value performance Foard EPS	Whole Surface R-value performance Foard XPS
19	12.9	4.5" / R-15	4.5" / R-20
24	16.3	6.5" / R-23	4.5" / R-20
38	25.8	8.25" / R-30	6.5" / R-30
48	32.6	10.25" / R-37	8.25" / R-38

*Based on information from the USA Department of Energy