

## Nonresidential and Multifamily - Guidelines to Determine R-values

Use the following table to determine the R-value for the insulated area.

<b>R-values Measured by Type of Insulation</b>	
Batts	3.2 per inch
Cellulose-Loose Fill	3.7 per inch
Expanded poly	3.6 per inch
Extruded poly	5.0 per inch
Fiberglass Blanket/Batts	3.5" (R-11/13) 5.5" (R-19) 9" (R-30) 12" (R-38) 15" (R-49)
Fiberglass-Loose Fill	2.5 per inch
Perlite	2.7 per inch
Poly-isocyanurate, rigid board	5.6 per inch
Rock Wool	2.8 per inch
Spray Foam closed cell	6.2 per inch
Spray Foam open cell	3.7 per inch
Vermiculite	2.7 per inch

<b>Use the following R-value when there is no insulation in any of these areas:</b>	
Attic	R-3
Sidewalls	R-2 Mass R-0 Metal Building R-3 Metal Framed R-2 Wood Frame/Other

<b>Types of Insulation</b>	
BAF = Batts Fiberglass	FB = Foam Board
BLF = Blown Fiberglass	OC = Spray Foam Open cell
C = Cellulose	R = Rockwool
CC = Spray Foam Closed cell	V = Vermiculite

**Important:**

The beginning R-value and project square footage are measured at the time of the building assessment. Measurements found in the assessment will be used to determine the customer's rebate amount and will be listed in the assessment report and rebate application. If the insulation is inaccessible during the assessment, an assessor will need to verify the beginning R-value at the time of the insulation upgrade. To schedule a building assessment or discuss a variance in the beginning R-value or square footage, the customer should contact the appropriate program below. For general program questions, contact the trade ally ambassadors at 877-290-4517.

- Agribusiness & Multifamily Housing                      877-401-4059
- Commercial Energy Solutions                                800-292-6448
- Industrial Partners    800-432-8583
- Low Income Multifamily                                        800-318-8915