

# Pikes Peak **REGIONAL** Building Department

## INTERNATIONAL ENERGY CONSERVATION CODE (IECC) RESIDENTIAL INSULATION CERTIFICATE - *EL PASO COUNTY ONLY*

This certificate is based on the 2015 International Energy Conservation Code (IECC), as amended by the 2017 Pikes Peak Regional Building Code. This certificate is applicable to One- and Two- family Dwellings as well as Townhouses, R2, R-3 and R-4 buildings three stories or less in height. *This certificate is required to be submitted as part of the plan review package.*

ADDRESS OR MASTER #: \_\_\_\_\_

### METHOD OF ENERGY CODE COMPLIANCE:

The IECC provide various option for compliance with minimum standards. Check the box to indicate the method of compliance.

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| <ol style="list-style-type: none"> <li>1. Prescriptive Method (IECC Section R402.1.2)</li> <li>2. U-factor Alternative<sup>1</sup> (IECC Section R402.1.4)</li> <li>3. Total UA Alternative<sup>1</sup> (IECC Section R402.1.5)</li> <li>4. ResCheck<sup>1</sup> (IECC Section R402.1.5)</li> </ol> | <ol style="list-style-type: none"> <li>5. Simulated Performance Alternative<sup>2</sup> (IECC Section R405). Available only to design professionals licensed in the State of Colorado or by qualified persons as approved by the Building Official.</li> <li>6. Energy Rating Index Compliance Alternative<sup>2</sup> (IECC Section R406). Available only to design professionals licensed in the State of Colorado or by qualified persons as approved by the Building Official.</li> </ol> |
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<sup>1</sup> Please attach documentation and calculations to substantiate compliance.

<sup>2</sup> If the Simulated Performance or ERI Alternative is selected please attach a summary of compliance. Complete third party documentation of compliance must be submitted at time of final inspection.

### MINIMUM INSULATION VALUES FOR PRESCRIPTIVE METHOD

Door and Window U-Factor	Skylight U-Factor	Ceiling R-Value	Wood Frame Wall R-Value	Mass Wall R-Value	Floor R-Value	Basement Wall R-Value	Slab R-Value/Depth	Crawlspace Wall R-Value
0.32	0.55	49	20 or 13+5	13/17	30	10/13	10/2 ft	15/19

### INSULATION DATA:

Enter the appropriate values for the scope of work that coincide with the compliance method selected above. This data is required for all methods of compliance

_____ Wall R-Value (wood frame or mass)	_____ Crawlspace Wall R-Value
_____ Ceiling R-Value	_____ Slab perimeter R-Value (24" minimum)
_____ Floor R-Value	_____ Glazing U-Factor
_____ Basement Wall R-Value	_____ Door(s) U-Factor

### INSPECTION REQUIREMENTS:

Section R402.4 of the IECC requires the thermal envelope to be sealed to limit infiltration. The IECC requires the thermal envelope to be visually inspected and tested to demonstrate compliance with building envelope tightness requirements. Selection of the method of compliance shall occur when the Building Frame Inspection is scheduled. Below is a summary of the methods.

1. Third party visual inspection and testing with documentation required at time of final inspection.
2. RBD visual inspection and third party testing with documentation required at time of final inspection.

**NOTE:** The Simulated Performance and Energy Rating Index Alternatives requires third party inspections.