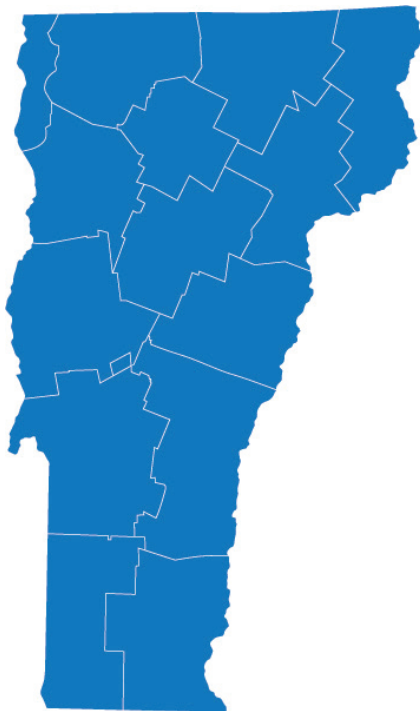


VERMONT MINIMUM INSULATION REQUIREMENTS

For Low-Slope Commercial Roofing

The applicable building energy code that determines the minimum insulation requirements for commercial roofs with insulation entirely above the deck in Vermont is the [2024 Commercial Building Energy Standards](#) (based on the 2021 International Energy Conservation Code with state-specific amendments). This code is effective July 1, 2024. The minimum insulation requirements apply both to new construction and roof replacements on existing buildings.

Minimum R-value Requirements for Insulation Entirely Above the Roof Deck



Minimum R-values:

- Climate Zone 6: R-45ci

Notes

- **About R-value:** R-value is a measurement of a material's ability to resist heat flow. The higher the R-value, the greater the insulating power. Installers should consult data sheets provided by polyiso manufacturers for information on product-specific R-values.
- **Code Compliance:** The International Energy Conservation Code recognizes ASHRAE 90.1 as an alternate compliance option for both new construction and existing buildings.

Resources

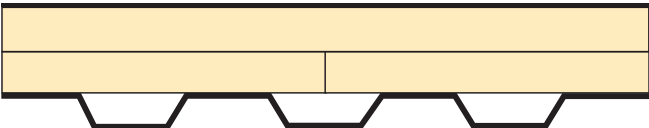
- [Polyisocyanurate Insulation Manufacturers Association](#)
- [U.S. Department of Energy](#)



VERMONT MINIMUM INSULATION REQUIREMENTS

For Low-Slope Commercial Roofing

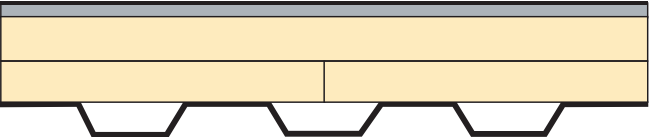
Option #1
R-45ci Roof Assembly



- Roof Membrane
- 3.9" Polyiso Boards
- Structural Roof Deck

Two Layers of 3.9" Polyiso	R-46
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Option #2
R-45ci Roof Assembly



- Roof Membrane
- 0.5" HD Polyiso Cover Board
- 3.7" Polyiso Boards
- Structural Roof Deck

Two Layers of 3.7" Polyiso	R-43.4
0.5" HD Polyiso Cover Board	R-2.5
Total	R-45.9

Information provided by PIMA

Since 1987, PIMA has served as the voice of the North American rigid polyiso insulation industry. PIMA is a leading advocate for safe, cost-effective, sustainable, and energy-efficient construction. The Association is comprised of polyiso manufacturers and industry suppliers, and represents the public policy interests of its membership at the local, national, and international levels to advance high-performance building practices.



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