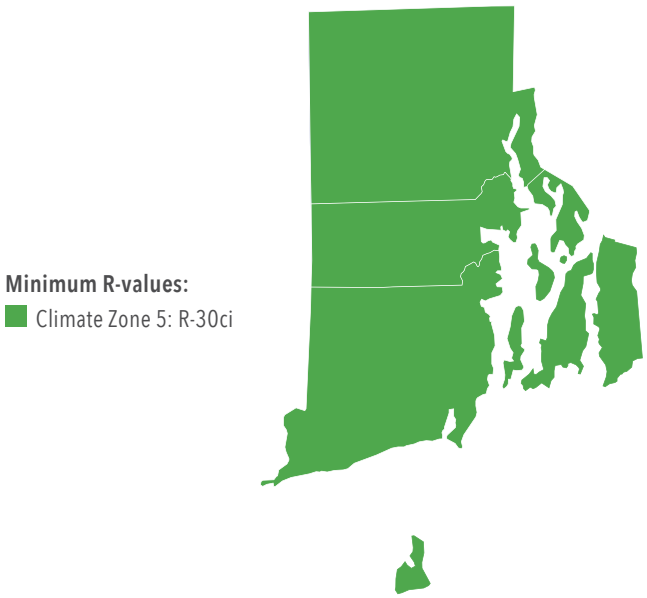
RHODE ISLAND MINIMUM INSULATION REQUIREMENTS

for Low-Slope Commercial Roofing — PIMA State Energy Code Fact Sheet

The applicable building energy code that determines the minimum insulation requirements for commercial roofs with insulation entirely above the deck in Rhode Island is the RISBC-8 State of Rhode Island Energy Conservation Code (based on the 2024 International Energy Conservation Code (IECC)). This code is effective November 14, 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



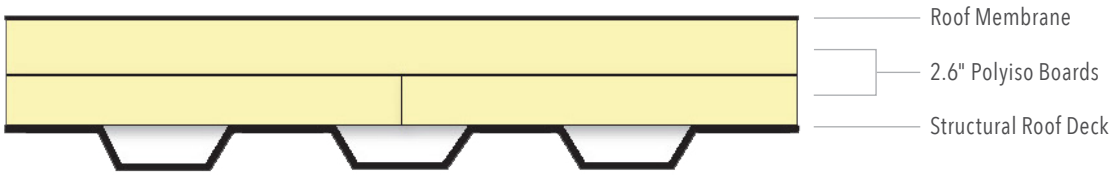
NOTES

- **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

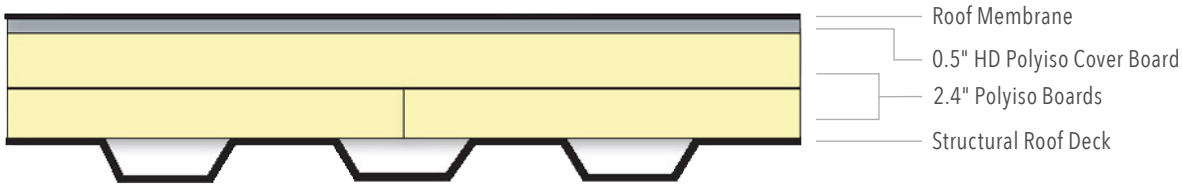
- Polyisocyanurate Insulation Manufacturers Association
- U.S. Department of Energy

OPTION #1 – R-30ci ROOF ASSEMBLY



Two layers of 2.6" polyiso	**R-30**

OPTION #2 – R-30ci ROOF ASSEMBLY



Two layers of 2.4" polyiso	R-27.6
0.5" HD polyiso cover board	R-2.5
Total	**R-30.1**

INFORMATION PROVIDED BY PIMA

For more than 30 years, the Polyisocyanurate Insulation Manufacturers Association (PIMA) has served as the voice of the rigid polyiso industry, proactively advocating for safe, cost-effective, sustainable, and energy-efficient construction. Organized in 1987, PIMA is an association of polyiso manufacturers and industry suppliers. Polyiso is one of North America's most widely-used and cost-effective insulation products.

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