

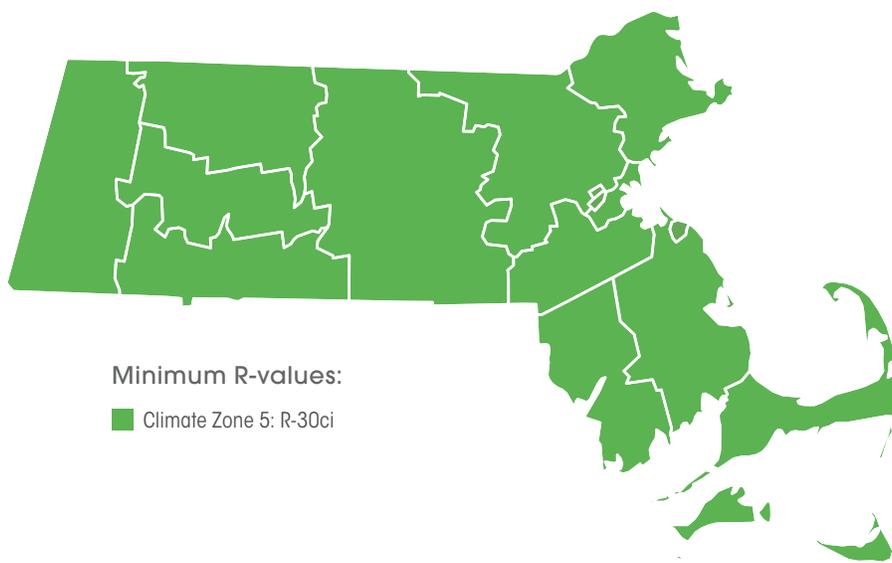
MASSACHUSETTS MINIMUM INSULATION REQUIREMENTS

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 Massachusetts is the [Tenth Edition of the MA State Building Code 780](#) (based on the 2021 International Energy Conservation Code with state-specific amendments). This code is effective October 11, 2024. The minimum insulation requirements apply both to new construction and roof replacements on existing buildings.

Note: Most local jurisdictions adopt the [stretch energy code](#) with performance requirements that may necessitate higher R-values for new buildings.

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



Notes

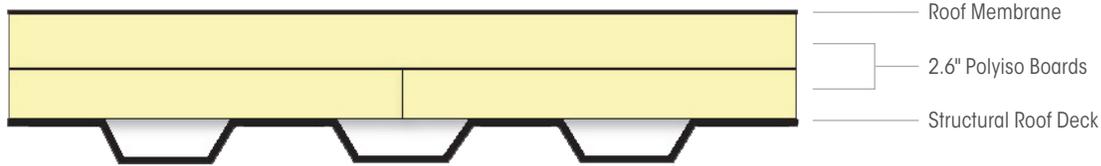
- **About R-value:** R-value is a measurement of a material's ability to resist heat flow. The higher the R-value, the greater the insulating power. Installers should consult data sheets provided by polyiso manufacturers for information on product-specific R-values.
- **Code Compliance:** The International 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](#)

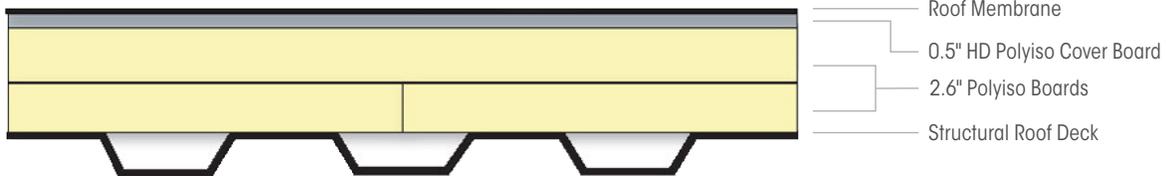
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Option #1 - R-30ci Roof Assembly



Two layers of 2.6" polyiso	R-30
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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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