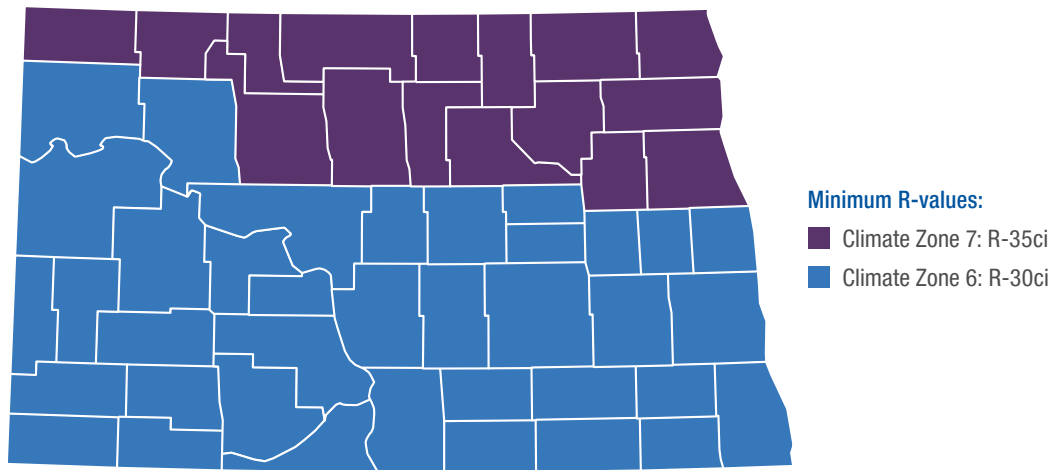


North Dakota Minimum Insulation Requirements for Low-Slope Commercial Roofing

PIMA State Energy Code Fact Sheet

North Dakota has adopted the 2024 International Energy Conservation Code (IECC). Although adoption for enforcement purposes is a local decision in North Dakota, approximately 90% of the local jurisdictions adopt the state code. The 2024 IECC is effective January 1, 2026, and available for local adoption. The IECC’s minimum insulation requirements apply both to new construction and roof replacements on existing buildings. Information on state-specific amendments and the status of local adoption is available from the North Dakota Division of Community Services [here](#).

MINIMUM R-VALUE REQUIREMENTS FOR INSULATION ENTIRELY ABOVE THE ROOF DECK



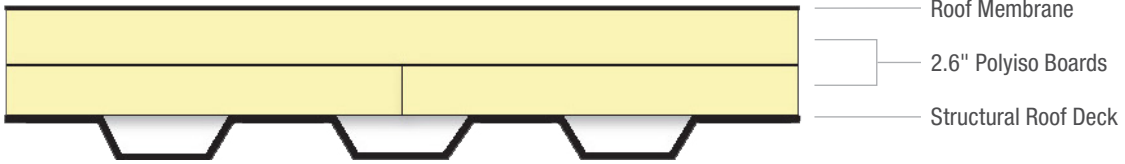
NOTES

- » **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

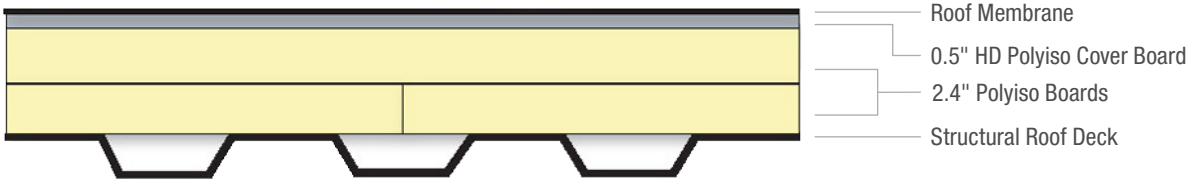
- » [Polyisocyanurate Insulation Manufacturers Association](#)
- » [U.S. Department of Energy](#)

OPTION #1 - R-30ci ROOF ASSEMBLY



Two layers of 2.6" polyiso	R-30.0
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OPTION #2 - R-30ci ROOF ASSEMBLY



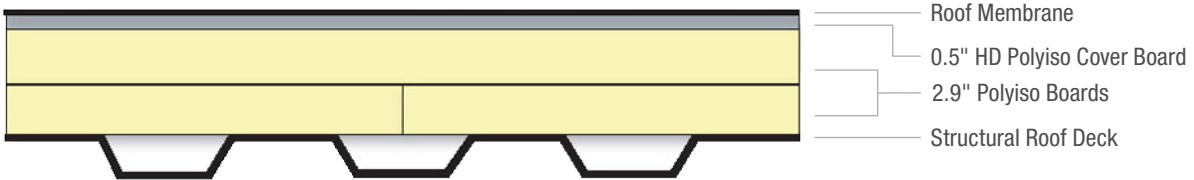
Two layers of 2.4" polyiso	R-27.6
0.5" HD polyiso cover board	R-2.5
Total	R-30.1

OPTION #1 - R-35ci ROOF ASSEMBLY



Two layers of 3.1" polyiso	R-36.0
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OPTION #2 - R-35ci ROOF ASSEMBLY



Two layers of 2.9" polyiso	R-33.6
0.5" HD polyiso cover board	R-2.5
Total	R-36.1

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.