The applicable building energy code that determines the minimum insulation requirements for commercial roofs with insulation entirely above the deck in New Mexico is the New Mexico Energy Conservation Code (based on the 2018 International Energy Conservation Code with state-specific amendments). This code is effective September 25, 2020. The minimum insulation requirements apply both to new construction and roof replacements on existing buildings.

Special Note: Per the state-specific amendments to Table 301.2, several cities in the counties of Colfax, Rio Arriba, Otero, Taos and Bernalillo are designated as Climate Zone 6 or 7 for purposes of determining the minimum requirements of Chapter 4 of the New Mexico Energy Conservation Code. These locations are not shown on the map below. Construction professionals should consult the New Mexico Energy Conservation Code when working in these counties to determine if more stringent requirements apply to a project.

### Resources

- Polyisocyanurate Insulation Manufacturers Association
- U.S. Department of Energy
Option #1 - R-25ci Roof Assembly

Roof Membrane
2.2” Polyiso Boards
Structural Roof Deck

Two layers of 2.2” polyiso | R-25.2

Option #2 - R-25ci Roof Assembly

Roof Membrane
0.5” HD Polyiso Cover Board
2.0” Polyiso Boards
Structural Roof Deck

Two layers of 2.0” polyiso | R-22.8

0.5” HD polyiso cover board | R-2.5

Total | R-25.3

Option #1 - R-30ci Roof Assembly

Roof Membrane
2.6” Polyiso Boards
Structural Roof Deck

Two layers of 2.6” polyiso | R-30

Option #2 - R-30ci Roof Assembly

Roof Membrane
0.5” HD Polyiso Cover Board
2.4” Polyiso Boards
Structural Roof Deck

Two layers of 2.4” polyiso | R-27.6

0.5” HD polyiso cover board | R-2.5

Total | R-30.1

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. About Polyiso Insulation

Polyiso is a rigid foam insulation used in more than 70% of commercial roof construction and offers a continuous insulation solution for commercial and residential wall assemblies. As one of North America's most widely used and readily available building products, polyiso is a cost-effective insulation option for reducing building energy use and improving the overall service-life of roofs and walls.
PIMA
For more than 30 years, PIMA (Polyisocyanurate Insulation Manufacturers Association) has served as the unified voice of the rigid polyiso industry proactively advocating for safe, cost-effective, sustainable and energy-efficient construction. PIMA’s membership includes manufacturers of polyiso insulation and suppliers to the industry. PIMA members produce the majority of polyiso used in North America.

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For more information on polyisocyanurate insulation, visit www.polyiso.org