Arizona does not enforce a uniform state-wide building energy code; mandatory building energy codes are adopted and enforced at the local level. The major jurisdictions in the state have adopted either the 2015 or 2018 versions of the International Energy Conservation Code (IECC). The minimum insulation requirements in the 2015 and 2018 IECC are equivalent for commercial roofs with insulation entirely above the deck. The minimum insulation requirements apply both to new construction and roof replacements on existing buildings.

Building owners in all Arizona jurisdictions should consider meeting or exceeding these minimum requirements when installing a new or replacement roof system in order to improve energy efficiency and reduce operating costs. Roofing professionals should always consult the local jurisdiction for specific information on applicable building code requirements.

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

![Map showing minimum R-value requirements for insulation entirely above the roof deck.]

**Minimum R-values:**
- Climate Zone 5: R-30ci
- Climate Zone 4: R-30ci
- Climate Zone 3: R-25ci
- Climate Zone 2: R-25ci

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

Two layers of 2.2” polyiso | R-25.2

Option #2 - R-25ci Roof Assembly

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

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
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.

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.