The applicable building energy code that determines the minimum insulation requirements for commercial roofs with insulation entirely above the deck in Illinois is the [2018 Illinois Energy Conservation Code](#) (based on the 2018 International Energy Conservation Code with state-specific amendments). This code is effective July 1, 2019. 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

![Map showing minimum R-values in Illinois](#)

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

### 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](#)
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.

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.

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