The applicable building energy code that determines the minimum insulation requirements for commercial roofs with insulation entirely above the deck in Hawaii is the [2015 International Energy Conservation Code](https://www.iccsafe.org/standards/international-energy-conservation-code-2015) (based on the 2015 International Energy Conservation Code with state-specific amendments). This code is effective March 31, 2017. The minimum insulation requirements apply both to new construction and roof replacements on buildings where the existing roof assembly is uninsulated.

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

*Climate Zone 1: R-20ci*

**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](https://www.polyiso.org)
- [U.S. Department of Energy](https://www.energy.gov)
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.

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