The applicable building energy code that determines the minimum insulation requirements for commercial roofs (new construction) with insulation entirely above the deck in New Jersey is the Uniform Construction Code – Energy Subcode (based on ASHRAE Standard 90.1-2016). This code is effective September 3, 2019. Additionally, the State’s Rehabilitation Subcode requires roof replacements where the roof decking/sheathing is exposed to comply with the Energy Subcode minimum requirements.

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

**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, 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