

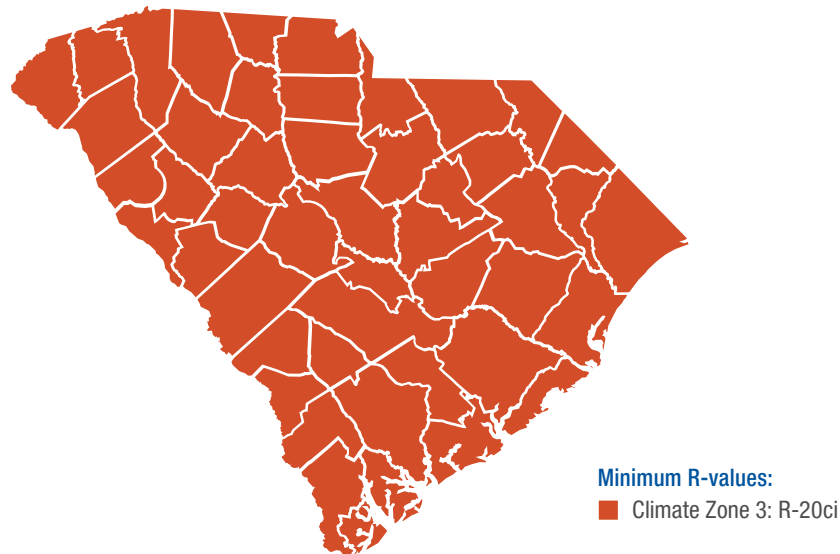
South Carolina Minimum Insulation Requirements for Low-Slope Commercial Roofing

PIMA State Energy Code Fact Sheet

The applicable building energy code that determines the minimum insulation requirements for commercial roofs with insulation entirely above the deck in South Carolina is the [2009 South Carolina Energy Standard](#) (based on the 2009 International Energy Conservation Code with state specific amendments and ASHRAE 90.1-2007). This code is effective January 1, 2013. The minimum insulation requirements apply both to new construction and roof replacements on existing buildings.

The current model code requirements for insulation entirely above the roof deck in Climate Zone 3 are 25% more stringent (R-25) than the State's minimum requirements. Building owners should consider exceeding the State's minimum requirements when installing a new or replacement roof system in order to improve energy efficiency and reduce operating costs.

MINIMUM R-VALUE REQUIREMENTS FOR INSULATION ENTIRELY ABOVE THE ROOF DECK



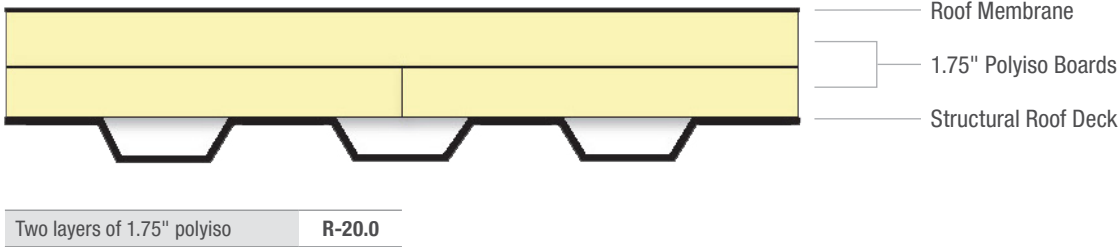
NOTES

- » **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.

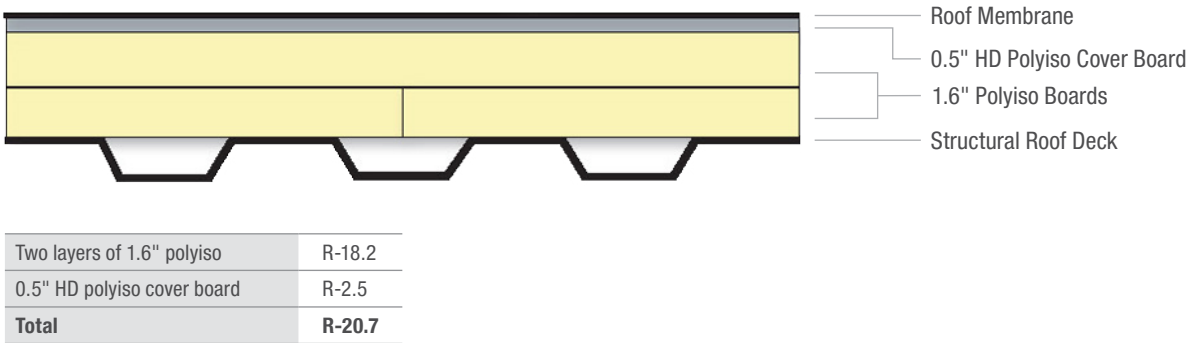
RESOURCES

- » [Polyisocyanurate Insulation Manufacturers Association](#)
- » [U.S. Department of Energy](#)

OPTION #1 - R-20ci ROOF ASSEMBLY



OPTION #2 - R-20ci ROOF ASSEMBLY



INFORMATION PROVIDED BY 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.