

# Case Study #52 - EPDM Best Western Inn

## Diagnosis:

This building had an aged black EPDM roof which was showing signs of accelerated aging and wear. The roof had numerous roof leaks and was reaching the end of its useful life.



The Energy Seal Coatings EPDM roof coating system was specified and installed on this project.

## Results:

The performance of the A/C system can be severely degraded by heat gain coming from the roof. An A/C system works by removing heat from the inside the building and dissipating it outdoors. A heat gain around the supply ducts, return plenum, ceiling and rooftop units contribute to reduced A/C efficiency. In this case study, the heat gain on the A/C system may have reduced the cooling efficiency as much as 40%. The owner of this building not only saved re-roofing dollars by the application of our EPDM system, they also extend the service life of their A/C system by making it more efficient. Improved A/C efficiency and extending the service life of the roof will save money for the building owner in the long run.



As an Energy Star labeled product, Acu-Shield acrylic elastomeric roof coating was able to reduce the roof temperature of this project by 57°F. This heat reduction will provide energy savings and will greatly extend the service life of the roof.

Have you checked your roof lately?



**Energy Seal Coatings**  
[www.energy-seal.com](http://www.energy-seal.com)

When installed properly, this product can help reduce energy costs. Actual savings will vary based on geographic location & individual building characteristics. Consult your product manufacturer, roofing contractor or call EPA's Energy Star Hotline at 1-888-STAR-YES for more information. The ENERGY STAR logo is a trademark of the United States Environmental Protection Agency. As a Charter Member, Advanced Coating Systems has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

