

The Numbers Don't Lie!



The test assembly above is used to demonstrate what happens to conventional mass insulation (right) when it is exposed, unprotected, to intense radiant heat, the most common cause of heat gain in an attic. This test demonstrates the importance of the proper use of a radiant barrier and a mass insulation (left). Results shown are for the hotbox assembly only. Actual performance in an attic would vary dependant upon; outside air temperature, method of installation, roof type, roof color, venting, etc.

58°F Average
Temperature
Differential !

Results are based on an 86°F ambient air temperature average. Above temperature readings were taken at the end of a six hour period. Results showed that the R-19 with Aluma-Foil Plus radiant barrier, was able to maintain a 6°F average above ambient air temperature. The side without radiant barrier maintained an average of 58°F warmer than that of the side with Aluma-Foil Plus.