

DOE/CE-0335P
June 1991



Department of Energy
Assistant Secretary
Energy Efficiency and
Renewable Energy



Contents:

[Introduction](#)

[Effect of Radiant Barrier on Heating and Cooling Bills](#)

[Important Non-Energy Considerations](#)

[Installation Procedures](#)

[Appendix](#)

Key to Abbreviations

[Information Services](#)

[About This Fact Sheet](#)

Key to Abbreviations

AFUE - annual fuel utilization efficiency

ASTM - American Society for Testing and Materials

BTU - British thermal unit

CCF - hundred cubic feet (of natural gas)

COP - coefficient of performance

DOE - U.S. Department of Energy

FSEC - Florida Solar Energy Center

gal. - gallon

KWH - kilowatt (of electricity)

MIMA - Mineral Insulation Manufacturers Association

NAHB - National Association of Home Builders

NFPA - National Fire Protection Association

ORNL - Oak Ridge National Laboratory

RB - radiant barrier

RBS - radiant barrier system

RIMA - Reflective Insulation Manufacturers Association

SEER - seasonal energy efficiency ratio

therm - 100,000 BTU

TVA - Tennessee Valley Authority

UBC - Uniform Building Code

[Previous Section - Appendix](#)
[Next Section - Information Services](#)

Building Envelope Research **Oak Ridge National Laboratory**

For more information, contact the program manager for Building Envelope Research:

André O. Desjarlais
Oak Ridge National Laboratory
P. O. Box 2008, MS 6070
Oak Ridge, TN 37831-6070

E-mail [Andre Desjarlais](mailto:Andre.Desjarlais@ornl.gov)

Revised: June 27, 2001 by Diane McKnight

Click anywhere in the top area of this page for an updated/expanded version of this article online at InspectAPedia.com