



PROJECT PROFILE

Silver Shield™ Attic Hybrid System

Highland Lake Asheville, NC

Project Information

Developer:
Real Places, LLC, Asheville, NC

Builder:
G.N. Arly & Co, LLC, Asheville, NC

Insulation Contractor:
Allied Insulation, Asheville, NC

Product Application:
Cathedral Ceiling Insulation Design; Closed Cell R-6.0 SPF + R-19 Fiberglass unfaced batt + Silver Shield™ radiant barrier/reflective insulation

Completion Date:
June 2010

The Problem

Requirement for the HVAC equipment to be in a conditioned air-sealed environment; meet the building code requirement for Energy Efficiency and Safety for Spray Foam Insulation; and to cover the exposed Fiberglass.

The Solution

New Attic Hybrid System for Cathedral Ceilings:

- 2" x 10" framed roof (unvented)
- 2" of 2lb or closed cell R-6.0 SPF
- 6.25" of R-19 Fiberglass unfaced batt
- Silver Shield multi-layer radiant barrier/reflective insulation

Component (installed at 45° angle)	R-Heat Flow Down	R-Heat Flow Up
Total R-Value	R-37.4	R-36.4

Note: Thermal resistances for the enclosed reflective air spaces were calculated using the method described in ASTM STP 1116 (pages 23-43). Exterior air film resistances were taken from the ASHRAE Handbook of Fundamentals.



Closed Cell Spray Foam with partial
Fiberglass Installation



Completed Installation with
Fi-Foil's Silver Shield

To find out more about
Fi-Foil's Silver Shield™
Attic Hybrid System

Contact us at 1-800-448-3401

Or visit our website: www.silvershieldrb.com



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