Aluminum Keeps Attic Insulation Cool

As infrared energy strikes insulation, it is converted into heat which flows through the insulation and is radiated as infrared energy on opposite side. However, if infrared energy is reflected before it strikes insulation, the insulation remains cool and little or no heat flows.

To illustrate this, a 125-watt infrared lamp was placed above the attic side of three popular types of conventional bulk insulation. The distance between insulation and lamp was adjusted so the upper surface of the insulation remained at 130° F.

After temperatures stabilized, infrared thermographs were taken of the ceilings without and with aluminum IR reflectors in place.



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