



PRODEX Total Insulation has developed a radiant barrier attic insulation product that is designed to save on energy costs and improve the comfort in your home, commercial or industrial site.

- The **PRODEX** Total attic insulation which serves as an attic radiant barrier is made from material that reflects up to 97% of radiant heat striking its surface and has a thermal emittance of 0.03. PRODEX attic radiant barrier conforms to the requirements of the ASTM C 1313, "Standard Specification for Sheet Radiant Barriers for Building Construction Applications".
- **PRODEX** Total attic insulation which serves as an attic radiant barrier lowers cooling costs by reducing the heat transfer by thermal radiation across the air space between the roof deck and the attic floor. PRODEX attic radiant barriers also lower heating costs by reducing the loss of heat from the attic floor to the roof sheathing in cold weather.
- **PRODEX** Total attic insulation which serves as an attic radiant barrier has a perm of less than one and qualifies as a water vapor retarder.
- Technical data from the Florida Solar Energy Center (FSEC) have shown that in attics with R 19 attic floor insulation radiant barriers can reduce summer ceiling heat gains by 16 to 42 percent compared to an attic with the same insulation level and no attic radiant barrier. (These figures are for the average reduction in heat flow through the insulation path. They do not include effects of heat flow through the framing members.)
- According to whole house tests run by the Mineral Insulation Manufacturers Association and the Oak Ridge National Laboratory, the average reductions in ceiling heat flow due to the addition of a radiant barrier stapled under rafters were between 24 - 30% in comparison with R 19 attic floor insulation and no attic radiant barrier.
- **The U.S Department of Energy Attic Radiant Barrier Fact Sheet (DOE/CE-0335P) states that reductions in the cost of cooling can be reduced up to 17% by proper installation of an attic radiant barrier.**