

Guarded Hot-Box Testing

According to ASTM, Guarded Hot-Box Testing is “a standard test method for thermal performance of building assemblies by means of a hot box apparatus.” “This test method covers the laboratory measurement of heat transfer through a specimen under controlled air temperature, air velocity, and thermal radiation conditions established in a metering chamber on one side and in a climatic chamber on the other side.”

About the American Society for Testing and Materials

Founded in 1898, ASTM International is a not-for-profit organization that provides a global forum for the development and publication of voluntary consensus standards for materials, products, systems and services. Over 30,000 individuals from 100 nations are the members of ASTM International, who are producers, users, consumers, and representatives of government and academia. In over 130 varied industry areas, ASTM standards serve as the basis for manufacturing, procurement, and regulatory activities. Formerly known as the American Society for Testing and Materials, ASTM International provides standards that are accepted and used in research and development, product testing, quality systems, and commercial transactions around the globe. For more information visit: www.astm.org.

Architectural Testing Inc Test Results–Energy Miser[®] Insulation System - 1/12/04

Architectural Testing, Inc configured at test setup with an 8 foot by 8 foot test area to evaluate the thermal performance of various insulation systems installed in a metal building mockup. It is understood that the performance of an insulation system is dependent upon many factors including mean temperature, temperature difference, heat-flow direction as well as many other factors. The conditions that were chosen were based on typical conditions and limitations of the test equipment. The details of the configuration are included in the detail report.

****The results of the Hot-Box Testing verify the in-place (installed) R-value of the Energy Miser[®] Insulation System.** Please contact ICA at 800-373-4262 if you would like further information on the test results.