



For Immediate Release

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**AEROSEALING DUCTWORK PROVES TO BE THE SINGLE MOST COST
EFFECTIVE SOLUTION FOR SMALL OFFICE ENERGY SAVINGS**

Article in Latest ASHRAE Journal Reviews Energy Conservation Measures For Small Office Buildings. Case Study Finds Aeroseal Payback in 5 Years vs. Furnace Replacement in 20

CENTERVILLE, OH – December 2, 2012 – An article in the latest issue of the ASHRAE Journal reports that duct sealing is one of the most effective measures that can be done to save energy for many small office buildings. A case study included in the article found that aerosealing the ductwork of a small office building in Ithaca, New York, was the single most cost effective upgrade made to the structure.

The article, written by Ian M. Shapiro, president of Taitem Engineering, a consulting firm specializing in green building, reviewed the unique energy-related characteristics of small office buildings, and the various strategies available to reduce energy consumption. It also highlighted an example of one small office building that had undergone a complete energy audit. The building had then been given a myriad of energy-saving upgrades designed to reduce the building's overall energy use.

An analysis of costs and savings for the individual upgrades showed that using AeroSeal to seal the structure's ductwork was one of the most effective means of reducing the building's use of gas and electricity. It was also the single most cost effective measure taken among the various energy conservation upgrades implemented. According to the study, aroesealing the ductwork paid for itself in about five years. In comparison, payback for insulating walls, air sealing and installing storm windows was about 18 years; replacing the furnace was just under 21 years.

“The amount of energy savings we got from AeroSeal was actually much more than we anticipated,” said Shapiro. “The energy audit had predicted a savings of 58 therms/year, while actual savings turned out to be closer to 267 therms/year – that's an annual savings of about \$421 on gas and electricity. More surprising was the fact that there was as much leakage as there was, even though the ductwork had been sealed with mastic just two years prior.”

According to the report, the building's ductwork – after mastic sealing – measured 350 cfm (cubic feet per minute). After sealing with AeroSeal, leakage measured 30 cfm.

“It's clear from reports like these that duct sealing is a critical aspect of small office energy savings,” AeroSeal's Neal Walsh, “and that simple tape or mastic is not nearly as effective as using an aerosol sealing solution.”

The ASHRAE Journal article indicated that aroesealing the ductwork, along with the implementation of various other energy-saving measures did more than just reduce energy consumption. Tenants of the office space reported a significant reduction in overall noise throughout the building. An increase in overall comfort was also noted.

“Taken as a group, small office buildings make up more than 90% of the total number of office buildings in the U.S. and represent 34% of all office floor space.” Said Shapiro. “The amount of potential energy savings that can be realized through proper duct sealing and other energy savings strategies is tremendous.”

For more information about AeroSeal, visit www.aeroseal.com.