

What the Authorities are saying about Duct Sealing...

U.S. Environmental Protection Agency

Source: *Duct Sealing*

Consumer Benefits of Duct Sealing:

- Comfort: help with rooms that are too hot or cold
- Health: reduce the risk of pollutants circulating through home
- Safety: reduce the risk of carbon monoxide and combustion gases entering home through ventilation system
- Savings: increase heating and cooling efficiency by as much as 20%
- Environment: reduce air pollution and greenhouse gas emissions from energy generation

U.S. Department of Energy

Source: *Improving the Efficiency of Your Duct System*

Improving Duct System Efficiency:

- “Typical duct systems lose 25 to 40 percent of the heating or cooling energy put out”
- “The cost to seal and insulate the ducts would most likely be paid for after three years.”
- “If only half the typical loss of un-insulated and unsealed ducts ... were saved, it would amount to \$160 off the total heating and cooling bill in a typical home.”

American Council for Energy Efficient Economy

Source: *Emerging Energy-Saving HVAC Technologies and Practices*, ACEEE, 12/09

- Optimizing residential duct work is a high priority for residential energy savings

Electric Power Research Institute

Source: *Residential Duct Sealing Cost-Benefit Analysis*, EPRI, 6/00

- Residential duct leakage can account for as much as 15% of a consumer’s utility bill
- Paybacks range from 3-4 years for duct retrofit measures