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== CASE STUDY ==

HOMEOWNERS IN MILTON ONTARIO FEEL WARM ALL OVER AFTER AEROSEAL SOLVES LEAKY DUCT PROBLEMS

8-year-old House Had Everything Young Couple Was Looking For In A New Home – And One Thing They Were Surprised To Find...Leaky Ducts That Left Rooms Cold

Just 25 miles outside of Toronto, Milton Ontario is Canada's fastest growing community. When the young Taylor couple bought an 8-year-old house right across from a park and elementary school, they knew this would be the perfect place to start their family. With a new arrival on the way, the Taylors began work on the upstairs nursery. They also contacted a local HVAC company to help them solve a major home comfort issue. No matter how high they turned up the furnace, they were unable to adequately heat the upstairs – particularly the soon-to-be nursery. They thought that perhaps the windows were leaking or the walls required more insulation. Maybe the furnace simply wasn't powerful enough to do the job.

In Brief

Location: Milton, Ontario
Home: Two-story; three bedroom, 1,100 Sq Ft
HVAC Company: Atlas Care Heating & Cooling
Aeroseal Company: Niagara Duct Cleaning
Goal: Solve uneven temperature issue
Before Aeroseal: 464 CFM of leakage
After Aeroseal: 29 CFM
Results: Reduced average leakage by 93%

**Cubic feet per minute*



It didn't take long for the HVAC pros at Atlas Care Heating & Cooling to diagnose the problem – leaky ducts. They also knew the best solution – Aeroseal. A test of the home's ductwork found the system was losing 464 CFM of treated air – about 40% of what their high-efficiency furnace was producing. It took less than an hour for Aeroseal to seal 93% of the leaks from the inside of the ductwork, reducing total leakage down to 29 CFM. Now, all rooms in the Taylor house are comfortable year round.

Quotes

“Not only did the duct sealing totally solve the problems we were having getting heat and air conditioned air to the upstairs rooms, but it allowed us to turn the thermostat way down. You can hear the furnace kick on and off and it’s now off much more than it used to be. I’m sure this is going to have a huge impact on our energy bills.”

Neil Taylor, Homeowner

“This home was certainly not an exception. Most of the homes we test – even new constructions – are losing 25 to 30 percent of their treated air through leaks in the ductwork. You could see that the exposed ductwork was originally taped around the seams but that just isn’t enough - and that doesn’t even take into account all the ductwork behind the walls and running throughout the house that you can’t easily access.”

Dave Mathewson, owner, Niagara Duct Cleaning

“The home had a 60,000 BTU high efficiency furnace and a 2 ton SEER air conditioning system. Both were new and certainly sized properly to easily handle the entire 1,100 square foot home. It simply doesn’t make sense for homeowners to spend the extra money on high efficiency equipment if it can’t deliver the performance because of leaks in the ductwork.”

Roger Grouchmal, owner, Atlas Heating & Cooling

Aeroseal – The Technology

- Developed at Lawrence Berkeley National Laboratory in 1994.
- Research for Aeroseal was partially funded by the U.S. Department of Energy.
- Aeroseal is the only duct sealant technology that is applied from the inside of the duct system. It is delivered as a non-toxic aerosol mist that seeks out and plugs leaks.
- Aeroseal has proven to be 95% effective at sealing air duct leaks.
- The Department of Energy proclaimed aeroseal technology to be one of the top 23 most important energy conservation technologies for consumers to come out since the department was first established.
- Aeroseal has won several prestigious awards including DOE energy 100 Award, Popular Science – Best of What’s New, This Old House – new technologies and 2012 EBie award for use on an existing building retrofit project.