



HOW IS THE AIR IN YOUR HOME?

You might be surprised to learn that 50% of the air inside your living space comes from your crawlspace! When is the last time you were under your home? Did you see or smell anything unusual? Insects, standing water, mold or wood rot?

For years, building codes and conventional wisdom have prescribed ventilation with outside air as the primary method of moisture control in crawlspaces. In the humid South, ventilation with outside air only makes moisture problems worse - many times it is the source. There is now overwhelming evidence that proves traditional methods of constructing crawlspaces with foundation vents is completely *WRONG*.

Synergy Home Performance is the industry leader in building true Energy-Efficient homes. With over 20 years experience, we offer crawlspace construction that eliminates vents to the outside and traditional fiberglass batt insulation under the subflooring. Our new closed crawlspace construction techniques will greatly improve your home's indoor air quality, reduce moisture levels, reduce HVAC sizing, and significantly reduce energy costs.



MAINTENANCE
SERVICES



HOME
TESTING



INSULATION
SERVICES



CLOSED
CRAWLSPACES



HVAC
DESIGN

COMMON CRAWLSPACE ISSUES:

- Mold or Moisture Damage
- Flooding/Standing Water
- Musty Odors
- Condensation or Sweating on Air Conditioning Duct Work, Insulation, Water Pipes, Electrical Wires, and/or Framing
- Insect, Snake, Termite, & Rodent Problems
- Rot in Wood Framing
- Buckled Hardwood Floors
- Sagging Floors
- High Humidity & Air Quality Issues in the Living Area



out of sight is **NOT**
out of mind.

Improve your home's indoor air quality, reduce moisture levels, and significantly reduce energy costs.



CRAWLSPACE MYTHS EXPLAINED:

- Foundation vents should be open.

FALSE A traditional crawlspace foundation that is constructed with foundation vents can be a major source of moisture control problems and health issues inside the home. When warm, humid air from the exterior flows through traditional foundation vents, it comes in contact with cool surfaces such as leaky ductwork, improperly insulated ductwork, wood framing, insulation, wiring, and plumbing. As a result, moisture forms and in many cases, this moisture leads to mold growth. Dark and moist crawlspaces attract insects, spiders, termites, rodents, and snakes.

- Traditional fiberglass insulation is appropriate for subflooring.

FALSE It is virtually impossible to install traditional floor insulation so that it remains in contact with the floor system. Standard fiberglass batts are a great medium for collecting mold spores, dust, and moisture.

- As much as 50% of the air in your home originated in your crawlspace.

TRUE The 'Stack Effect' describes the phenomena that hot air rises. As hot air rises, it escapes through unsealed penetrations in your ceiling. For every bit of air that leaks out, or is exhausted out by fans and appliances like clothes dryers and kitchen hood vents, an equal amount must be pulled in. Air that is pulled in from the crawlspace carries with it moisture, mold, mildew, dust, pesticides, insulation, radon, odors, and other unwanted contaminants.

SYNERGY INSTALLATION PROCESS:

- Removal of existing traditional fiberglass batt insulation
- Application of fungicide & cleaning of joists and sub-flooring
- Removal of existing plastic and/or debris
- Installation of sump pumps and/or french drains
- Installation of 10 mil poly (black or white available) on the ground of the crawlspace
- Seal foundation vents shut
- Installation of Icynene® ProSeal™ closed cell insulation foam on interior foundation walls, rim joists/band joists, access door, sealed foundation vents, and individual piers (leaving termite viewing strip)
- Installation of hygro-thermometer with remote sensor to monitor humidity in home & crawlspace
- Installation of commercial grade dehumidifier(s)

*While every installation varies from home to home, your Synergy Specialist will review the specifics before installation begins.

Passes ALL International Residential Code requirements



FREE ESTIMATES

BY LICENSED & TRAINED HOME PERFORMANCE SPECIALIST

**Building Performance Institute Certified,
NAHB Green Building Professional Certified, State of AL HVAC
Licensed #10069 and State of AL Homebuilders Licensed.**



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