



9.25.25

Automated Air Leak Sealing for Building Envelopes & HVAC Ductwork



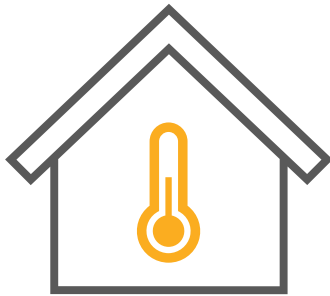
Why Air Sealing?



A Critical Path to Better Buildings



Healthy



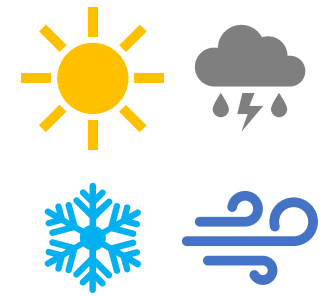
Comfort



Energy
Efficient



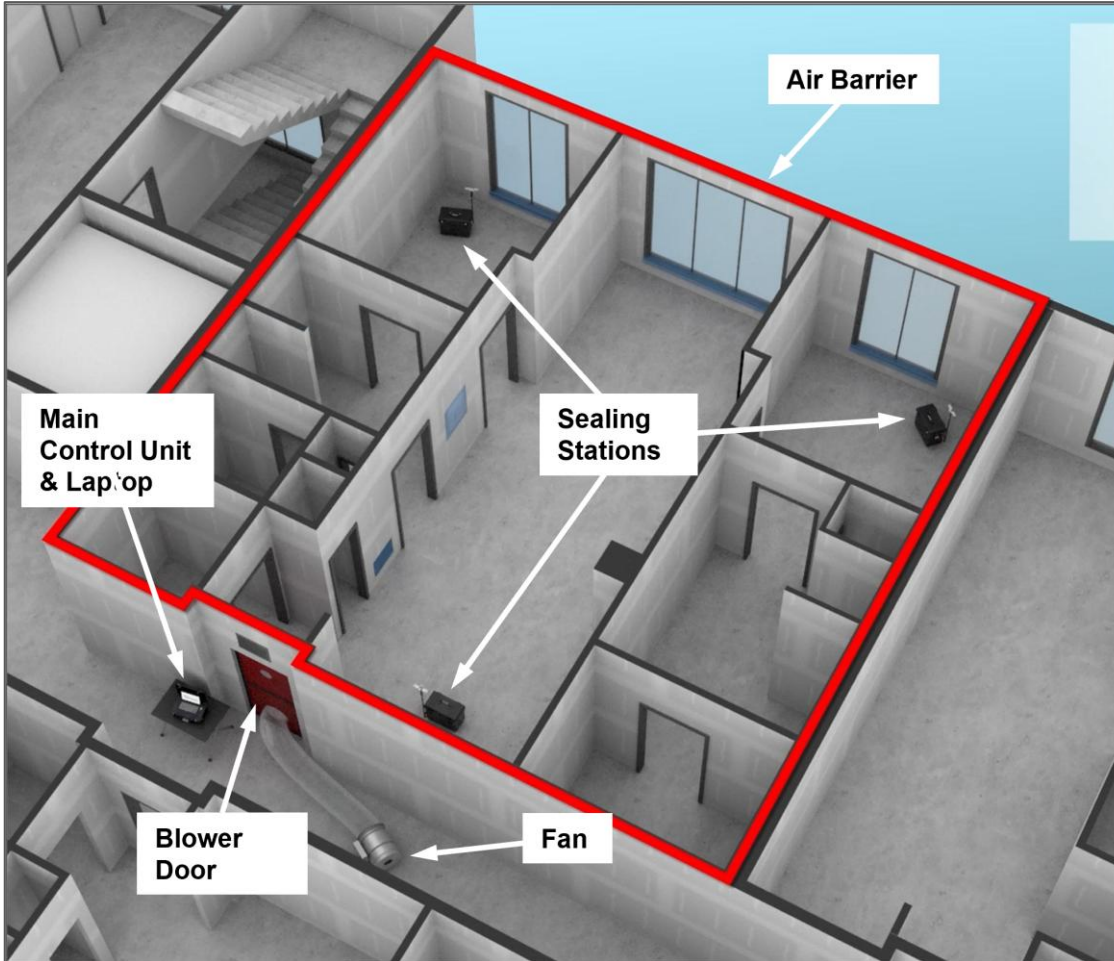
Carbon



Resilience

Remember....each of us is charged with designing & building better buildings for the people who use them

AeroBarrier: Automated Building Envelope Air Sealing



AeroBarrier Building Envelope Air Sealing

Aeroseal: Automated HVAC Ductwork Air Sealing



Aeroseal HVAC Duct Sealing

Proven Air Sealing Across Building & Project Types



Commercial



Multifamily



Single Family



New Construction | Renovation | High Performance

AeroBarrier & AeroSeal Enable You to Better Deliver High Performance Buildings



Guaranteed achievement of airtightness goals



Verified earlier during construction via continuous blower door/duct blaster test



Automated system eliminates mistakes & misses of manual sealing



Simpler, faster, & lower cost than manual methods

How AeroBarrier & Aeroseal Work



AeroBarrier & Aeroseal use the natural movement of air from higher pressure to lower pressure to guide the sealant to building envelope & ductwork air leaks.

A balloon is a simple example:

- The air inside an inflated balloon is at higher pressure than outside the balloon
- If there are leaks in the skin of the balloon, the air inside finds those leaks and travels through them to the outside
- Higher pressure always wants to get to where there is lower pressure



We Use the Same Principal:

- AeroBarrier description:
- By pressurizing the inside of a building to a higher pressure than the outside
- We then spray aerosolized sealant into the building
- The air at higher pressure inside wants to get outside to lower pressure by finding and going through any building envelope leaks that exist
- The escaping air carries our sealant through the leaks and seals them on the way through
- It's a simple yet very effective method

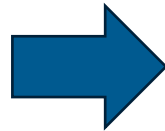
Our Sealant From Start to Finish of a Seal



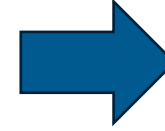
aerobarrier®



AeroBarrier sealant starts as a liquid



**Then is aerosolized
Into a fog of micron
sized particles**

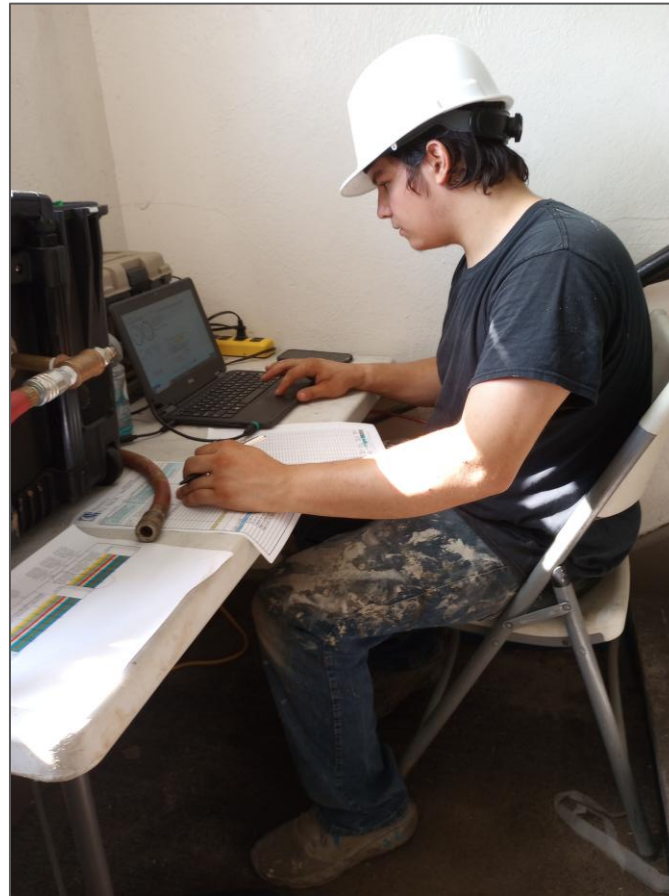


**And dries in the
leakage points as a
flexible sealant**

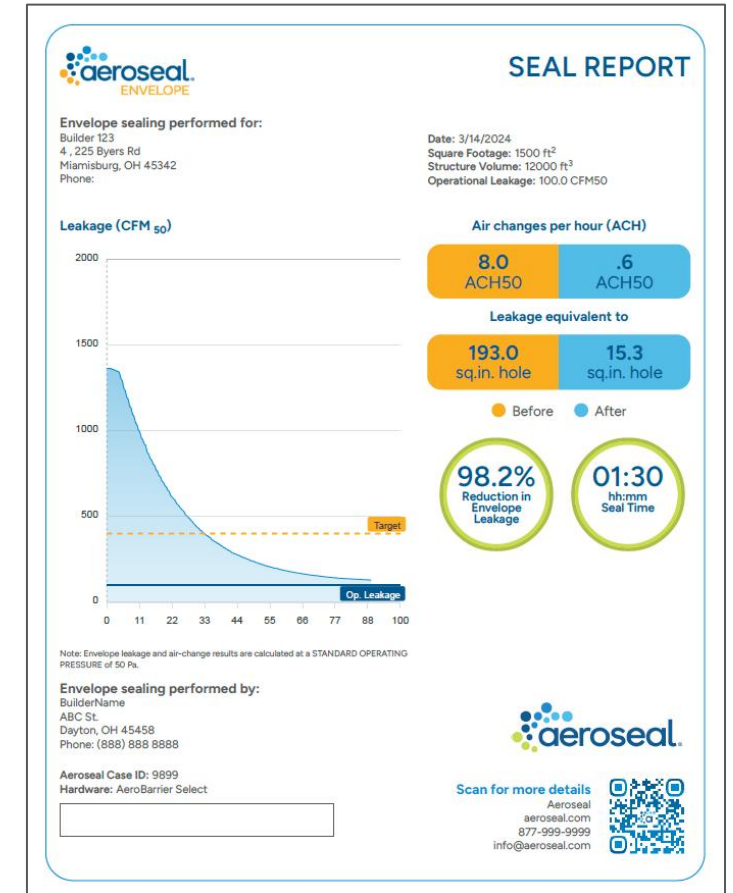
Continuous Leakage Testing While Sealing & Final Reporting of Results



AeroBarrier: Continuous Blower Door Test While Sealing



Technician Runs System & Monitors Leakage Test from Laptop



Results Presented via Seal Report

Case Study: Apartments Achieve Net Zero Using AeroBarrier



Project Details:

- Soleil Lofts Apartments, The Wasatch Group
- Herriman, UT
- 600 units, solar, all electric
- Goal = Net Zero Energy
- Energy modeling analysis showed air sealing was the best option to achieve this
- AeroBarrier used for compartmentalization

Results:

- AeroBarrier achieved 1 ACH50 per unit
- Energy used is reduced by 50%
- Achieved Net Zero



“We looked at other energy efficiency measures, including lighting and appliances, but energy modeling showed us they aren’t as cost-effective as air sealing.” The Wasatch Group

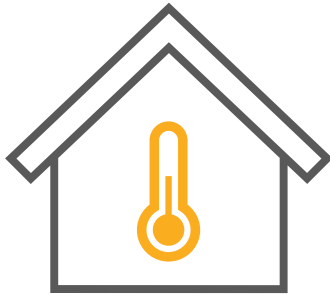
AeroBarrier & AeroSeal: Helping You Design & Build Better Buildings



A Critical Path to Better Buildings



Healthy



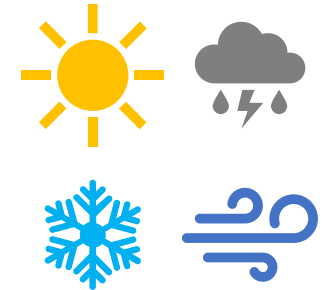
Comfort



**Energy
Efficient**



Carbon



Resilience

Please Reach Out Anytime



Thank You!

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