

The logo for AeroBarrier, featuring the word "AEROBARRIER" in a bold, blue, sans-serif font with a trademark symbol. The letters "AERO" are in a lighter blue, and "BARRIER" is in a darker blue. A thin blue line is positioned below the text.

**AEROBARRIER™**

Breakthrough Envelope Sealing Technology

# SEALING THE BUILDING ENVELOPE

- ▶ NO MORE GUESSWORK
- ▶ NO MORE WORKMANSHIP ERROR
- ▶ MORE EFFECTIVE THAN FOAM

# AEROBARRIER™

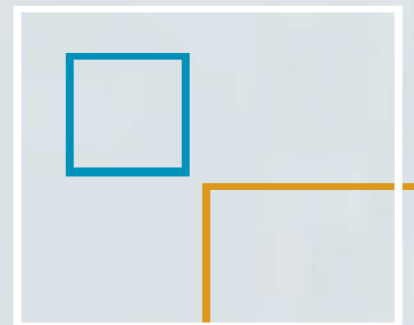
Breakthrough Envelope Sealing Technology

## HOW DO WE DO IT?

**AeroBarrier** is **GREENGUARD** certified. This means it contains no harmful or toxic chemicals. The AeroBarrier application includes a solution that is sprayed into the building area, it then conjugates and seals holes as small as a hair follicle. The sealing process is controlled by computer, and shows the sealing results in real-time.

**AeroBarrier** was researched and developed at University of California, Davis, by leading building scientist and energy efficiency experts. AeroBarrier makes it possible to easily meet or exceed the envelope sealing requirements of LEED, ZERH, Passive House, and the 2015 IECC.

## THE NET-ZERO FORMULA WITH AEROBARRIER



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## Benefits of AeroBarrier

- Results guaranteed
- Improved building health
- Labor cost reduction
- Improved comfort
- Easier to achieve the stringent envelope sealing requirements of Passive House or the latest energy code



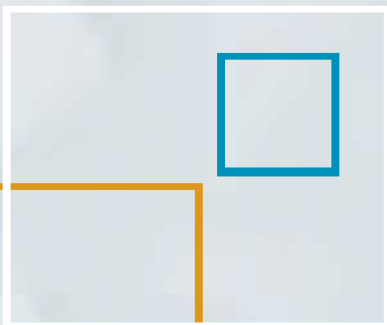
“ When it comes to sealing a home AeroBarrier is a revolutionary product. It makes sealing holes not visible to the eye, and that would typically be missed by traditional construction practice. ”

**Geoff Ferrell**  
Chief Technology Officer  
Mandalay Homes



“ AeroBarrier is an air-sealing dream for energy efficient design. It makes it easy to attain the most stringent multi-family leakage requirements for Passive House and the most stringent codes and standards. ”

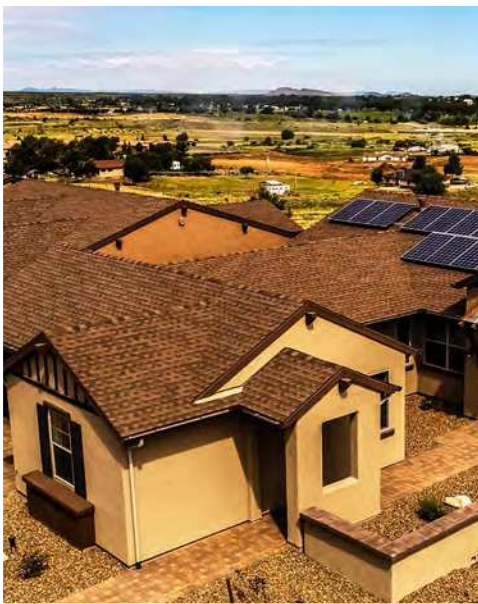
**Chris Benedict**  
Architect



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## AeroBarrier Case Studies



### Near-Zero: Single-Family Home

**Location:** Prescott, Arizona

**Builder:** Mandalay Homes

**Climate Zone:** 5

By applying AeroBarrier, Mandalay Homes transformed their typical 2,200 square foot design, from 2.0 ACH50 to .64 ACH50. This improvement in envelope air tightness reduced energy demand and made a net-zero home financially feasible. With the improved air tightness, Mandalay is scaling its net-zero design as a standard feature on all homes they build.

Mandalay Homes is an 8-recipient of the U.S. DOE Innovation Award.

### Compartmentalization: Multi-Family Certified Passive House

**Location:** New York

**Builder:** Synapse Development Group

**Climate Zone:** 4

By applying AeroBarrier, post-manual caulking levels were reduced 47%. By doing so, the project achieved compartmentalization of tightness to achieve Passive House certification, at .60 ACH 50.



**AeroBarrier** makes it easy to seal to Passive House and ZERH standards for the building envelope.



**When is the best time to apply AeroBarrier?**

Ideal phase to apply **AeroBarrier** is pre or post drywall.

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## 5-Steps to Advanced Envelope Air Sealing

### STEP 1

Equipment is setup at job site. Conveniently transported by trailer, AeroBarrier install equipment is mobile and portable. The equipment includes a compressor, generator, blower door, emitters, hoses, and the AeroBarrier machine.



### STEP 2

Prep the space. This includes taping and covering horizontal surfaces and areas that will not be sealed. Also, emitters are setup throughout the area to be sealed.



### STEP 3

Pressurize the space with the use of a blower door. A computer does the rest, including the control of temperature, pressure, humidity, and distribution of sealant.



**APPROXIMATE TIME IS TWO HOURS**

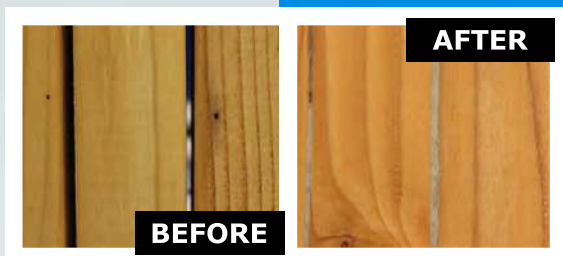


### STEP 4

See the results in real-time. Throughout the application process, the computer monitor displays the ACH improvement, allowing you full control over your desired level of envelope tightness or leakage reduction.

### STEP 5

Run a final blower door test to verify the sealing results. At the end of the process, receive an AeroBarrier Certificate, with a pre and post leakage report.



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**SCHEDULE A  
DEMO TODAY**

