

NZTAP MANUFACTURER CASE STUDY



MANUFACTURER BACKGROUND

Background: Originally from the United States, and launched June 1st 2018 in Ontario, Canada. We have completed approximately 250 Seals to date. Service is provided by local certified installers.

Standards and certifications: GreenGuard Gold certified, National Green Built Standard Certified Product, Ultra-Low VOC / No Off-Gassing. They meet ASTM 2178 air sealing material, ASTM E84 flame spread, and ASTM E84 smoke development.

WHAT IS IT?

AeroBarrier is a convenient, cost effective approach that seals homes in less than 3 hours and provides verification that the airtightness requirement has been achieved.

AeroBarrier is an interior applied air sealing system that seals all building envelope leaks up to 1/2". The waterborne acrylic sealant is applied by pressuring a targeted building area, then spraying the aerosolized sealant into the pressurized space.

The sealant is self-guided to the edges of visible and invisible leaks creating a seal, not by packing the gap, but by accumulating across the surface of leaks. The sealant is applied within 60-90 minutes and dries before system clean-up is complete allowing construction to resume shortly after the process is complete with little to no impact on standard construction schedules.

The system measures the envelope leakage in real time, enabling the system to dial in specific requirements for air leakage and guarantee the results.

INSTALLATION

Full installation service is provided by AeroBarrier Canada. Only certified installers are permitted to install the AeroBarrier technology. The entire AeroBarrier process, from set-up to completion, takes approximately 4-hours for a typical single-family home. For certain certifications, additional time may be required.

Step 1: Prep & Setup

Prep the area by covering any openings that won't be sealed. This includes taping or covering any designed openings or finished horizontal surfaces within the space. Emitters are then set up throughout the area to be sealed. The equipment is then set up. This includes blower door, emitters, hoses, and the AeroBarrier machine.

Step 2: Pressurize & Apply

Using a blower door, the space is pressurized. After that, a computer controls the entire process including controlling the temperature, pressure, humidity, and distribution of sealant within the space during the process.

Step 3: Seal & Monitor

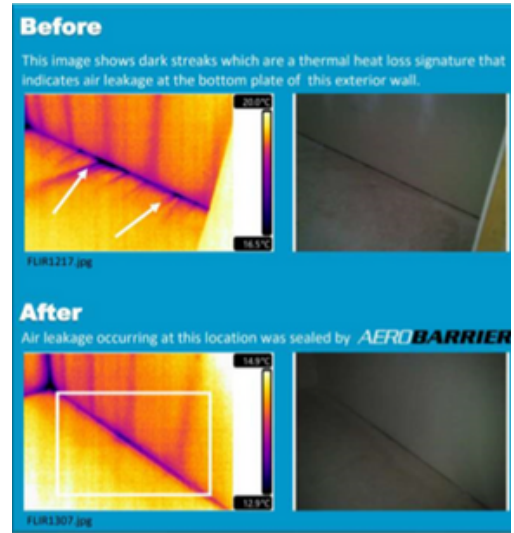
With the AeroBarrier process you see results in real time. You have complete control over your desired level of air tightness and can achieve any level of tightness required. At the end of the process, a final blower door test is run to verify the sealing results. AeroBarrier then provides a Certificate of Completion showing pre and post seal leakage.

Step 4: Clean Up

After the sealing is complete, work can resume in the space within 30 minutes. At that time, clean up of all equipment and removal of all tape and coverings can occur.

BENEFITS AND COSTS

Total estimated savings around \$1,500 to \$2,500 and on average 20% reduction in GHG emissions. Consistently improves airtightness by 72%.

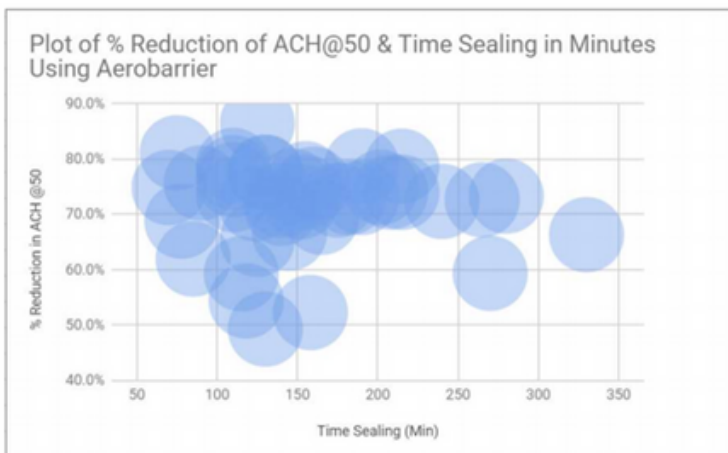


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CONTACT?

Do we want to provide contact info here



- Consistently Improve airtightness by **72%**
- Avg. Seal time **160 Minutes**