

Keeping the Air Out

Air infiltration (or air leakage) is the uncontrolled entry of outside air into your home. It doesn't matter how good your glass is if you have a window frame that can't stop air infiltration.

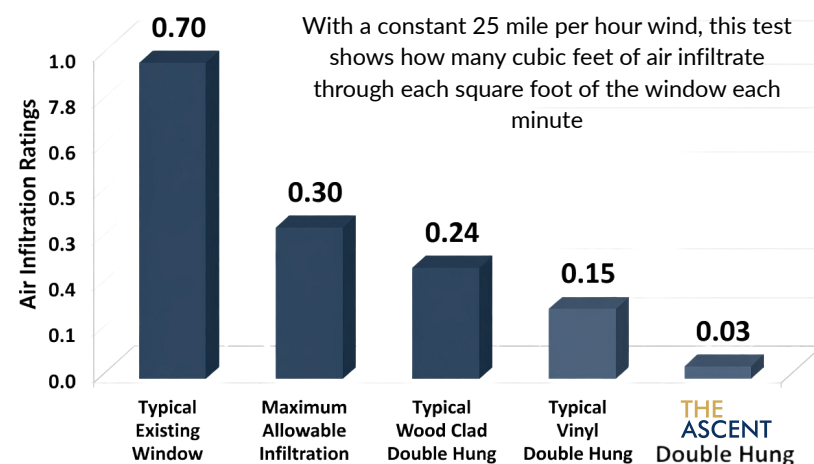
According to Energy Star,

Air Infiltration can waste 25-40% of your heating and cooling energy

This leads to drafts, uneven temperatures, higher utility bills, discomfort, noise, dust, pollen, and potential moisture issues.

Reducing air infiltration with high-quality, airtight windows is key to true energy efficiency, consistent comfort, lower costs, and better indoor air quality.

While no window is completely air tight, our unique window design delivers superior sealing power to keep your home cozy and efficient.



So What Does That Mean?

In 60 seconds 8 Ascent windows will let in the same amount of air as 1 Wood Clad window



In 60 seconds 5 Ascent windows will let in the same amount of air as 1 Typical Vinyl window



THE ASCENT



A Warranty Designed For You

- Lifetime, non-prorated warranty
- Lifetime, no-fault glass breakage
- Transferable to the next homeowner



***SEE OUR FULL LINE CATALOG FOR MORE WINDOW AND PATIO DOOR OPTIONS

The Future of Triple Pane

Advanced Thin Triple Pane Glass

Your window is made up of 90% glass so it is important to have the best glass possible in your window. Triple pane windows deliver unmatched energy efficiency levels that standard double pane windows simply can't match, which means superior insulation, lower energy bills, and better comfort year-round.

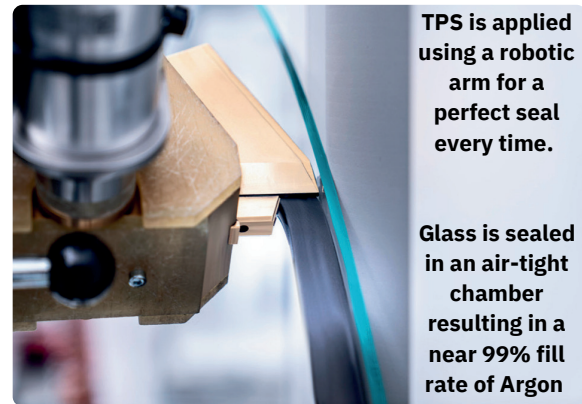
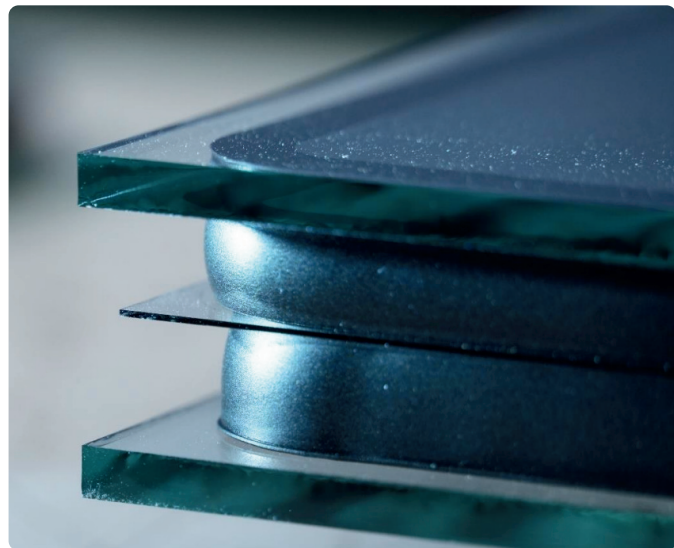
However, traditional triple pane windows have a few major drawbacks:

- They are **significantly heavier**, making them harder to operate for the homeowner.
- They are **considerably darker** due to the extra layer of glass reducing visible light transmission.

No window company has come up with a solution to these issues—until now.

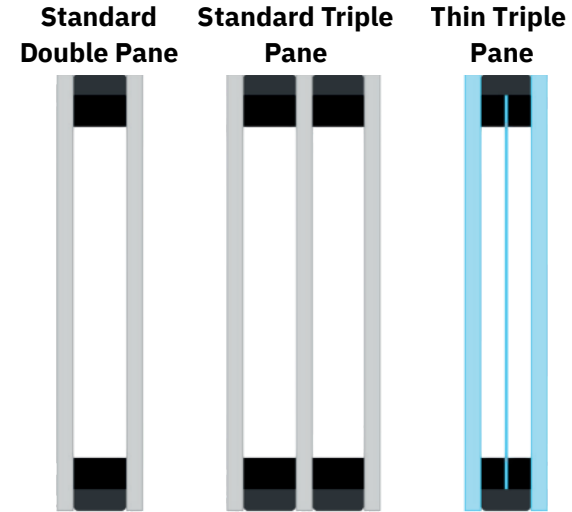
With our **Advanced Thin Triple Pane Glass**, you get true triple-pane performance without the compromises.

Using an ultra thin center pane that has less embodied carbon, **we deliver 35% better Visible Transmittance ratings than standard triple pane.** It keeps the overall unit lighter and brighter while maintaining the natural light and ease of operation.



TPS is applied using a robotic arm for a perfect seal every time.

Glass is sealed in an air-tight chamber resulting in a near 99% fill rate of Argon



Lightweight

Thin Triple pane is up to 40% lighter than standard triple pane which means it is easier to operate and less wear on balancers

Low U-value

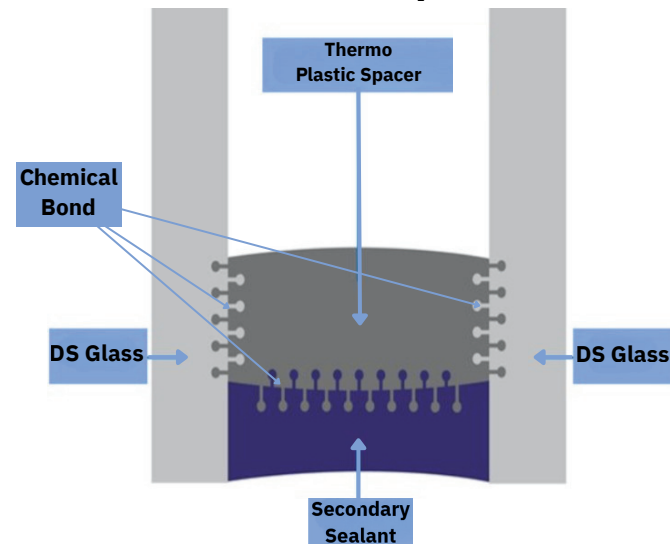
Provides better insulation than standard triple pane and **tested to withstand 80+ years without seal failure***

More Light

Thinner glass has less embodied carbon which means the window is not as dark as standard triple pane



Thermo Plastic Spacer (TPS)



Thermo Plastic Spacer (TPS)

Thin Triple Pane is made possible by the new TPS spacer. The first High Performance Warm Edge spacer that **chemically bonds** with the glass resulting in **best in industry gas retention rate as well as best in industry seal failure rate.**

NRFC Ratings

LowE 366 w/ Argon
Thin Triple Pane**

U Factor	SHGC	VT	CR	Air Infiltration
0.19	0.19	0.43	0.69	0.03

U Factor as low as 0.16 with Krypton Gas

*Testing done in chamber to simulate 80 years

**Ratings based on DH with no grids and double strength glass

Taking Performance to a Higher Level



- EcoClean Foam filled Frame and Sashes**
EcoClean Foam is the first polyurethane window foam to earn USDA BioPreferred® certification for its renewable content. This advanced foam (**the same high-performance foam used in refrigerator doors**) completely fills both the window frame and sashes through our precision injection process. This results in superior thermal performance, greater energy efficiency, and significantly reduced condensation in your home.
- SunShield PVC**
Our virgin vinyl extrusion formula is enhanced with Titanium Dioxide to shelter your home from damaging Ultraviolet rays that would otherwise destroy an exterior building material. SunShield PVC was also engineered to be phthalate free, which means our vinyl products will never emit toxic off-gasses.
- Fusion Linked Welds**
A lifetime-backed product needs the assurance of an unbreakable design. Each corner undergoes four-point computerized welding to seal the unit. This heated process bonds the joints permanently together; a manufacturing capability unavailable from any wood, composite, aluminum or fiberglass product.
- Frontline Sash to Sill Interlock and Fortress Meeting Rail Interlock**
Successfully integrating moving and non-moving components of a window determines how well it will keep air and water out. Our window features a double interlock system. The Fortress Meeting Rail Interlock runs the full length of the sash without any notches for locks. The Frontline Sash to Sill Interlock connects the bottom sash to the frame to ensure wind, water, and intruders stay where they belong: OUTSIDE
- Triple Anti-Microbial Weatherstripping**
With the typical window having over 60 feet of Anti-Microbial weatherstripping, block your home from dust and allergens with the added protection of weather-stripping that prevents the growth of mold and mildew.
- NarrowLine Mainframe and Sash**
Our window is made with NarrowLine mainframe and sashes which means you get unmatched beauty and 20% more glass area than other vinyl windows.



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- Extruded Aluminum Screens with BetterVue Screen Material or FlexScreen (as seen on Shark Tank)**

