PRO™ VINYL WINDOWS

AIR INFILTRATION

Minimize Air Infiltration and Maximize Energy Savings & Comfort

Soft-Lite® Windows

Bringing quality to light.

Before Investing in New Windows, Always Compare the Air Infiltration Ratings.

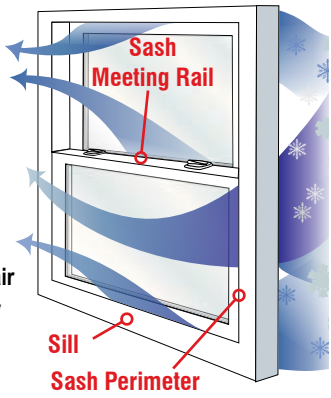
Facts You Should Know

The lower the CFM Rating...

- the less outside air will leak into your home.
- the more comfortable your home will be with fewer drafts.
- the less your furnace will run & the more money you'll SAVE.
- the smaller your carbon footprint.

WHY DO WINDOWS LEAK AIR?

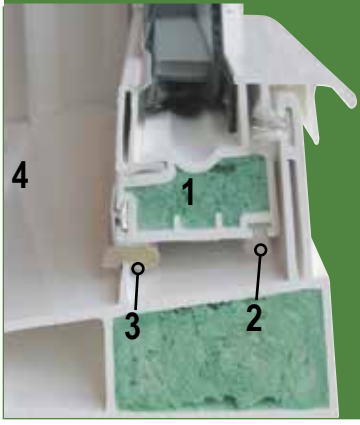
POINTS OF AIR INFILTRATION



Poorly designed windows don't have the built-in airlocks, weather stripping, and barriers necessary to keep air from forcing its way in. Without these design features, air will push between the sash meeting rails and around the sash perimeter where it meets the frame and sill.

We know how uncomfortable a home with leaky windows will be. So we loaded the Pro™ window with weather barriers that go far beyond the industry standard and other manufacturer's window designs.

THE PRO™ DURA-SILL™ DESIGN PREVENTS AIR INFILTRATION THE BEST!



Numerous air barriers designed into Pro™ windows prevent airflow from forcing its way into your home.

1. Comfort Foam
2. Ultra-Smart™ triple-fin weather stripping
3. Soft-Seal straddle gasket
4. Dura Sill's double-walled sill dam

AIR INFILTRATION COMPARISON

CFM (Cubic Foot per Minute)	= GALLONS	= 12oz SODA CANS
1 CFM of air leakage per minute	 *7.5 gallons* of air per minute	 *80 soda cans* of air per minute (960 oz/min)
INDUSTRY STANDARD* **.30 CFM** of air leakage per minute	 *2.25 gallons* of air per minute	 *24 soda cans* of air per minute (288 oz/min)
Traditional Wood Residential Double-Hung Windows (Pella®/Marvin®/ Jeld-Wen®/Andersen®) **.23 CFM** of air leakage per minute Industry Average Range from 0.12 CFM to 0.30 CFM**	 *1.725 gallons* of air per minute	 *18.4 soda cans* of air per minute (220.8 oz/min)
Traditional Vinyl Residential High-Performance Double-Hung Windows (Alside®/Simonton®/Champion®) **.15 CFM** of air leakage per minute Industry Average Range from 0.11 CFM to 0.21 CFM**	 *1.125 gallons* of air per minute	 *12 soda cans* of air per minute (144 oz/min)
PRO™ VINYL WINDOWS **.06 CFM** of air leakage per minute***	 *0.45 gallons* **of air per minute**	 *4.8 soda cans* **of air per minute (57.6 oz/min)**

Pro™ windows are THREE times more airtight than traditional wood residential double-hung windows.

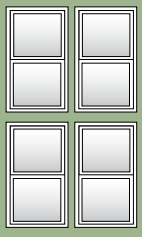
***INDUSTRY STANDARD:** AAMA® *(American Architectural Manufacturers Association®)* has set the Industry Standard for Maximum Allowable Air Infiltration at **0.30 CFM** (Cubic feet per minute) during a 25 MPH wind. This is equal to **2.25 GALLONS** or **24 SODA CANS** of air leaking through the window **EVERY MINUTE!**

**References valid as of October 1, 2010 based on our competitor's web sites and independent testing.

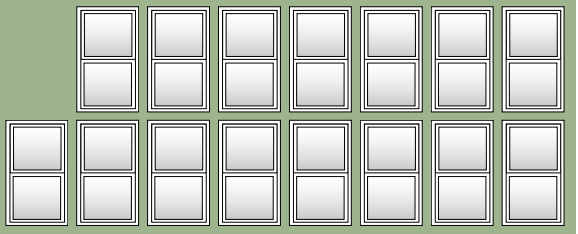
*** With fiberglass reinforcement.

Traditional Wood Residential Double-Hung Windows **VS PRO Windows**

(Pella®/Marvin®/
Jeld-Wen®/Andersen®)



Average
883.2 oz
air/minute

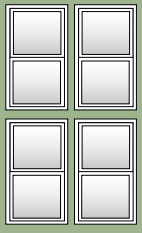


The amount of air that leaks through four traditional wood windows is equal to 15 Pro Windows combined.

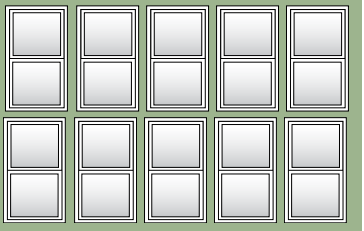
PRO WINDOWS are over THREE TIMES MORE AIRTIGHT than traditional wood residential double-hung windows.

Traditional Vinyl Residential High-Performance Double-Hung Windows **VS PRO Windows**

(Alside®/Simonton®/
Champion®)



Average
576 oz
air/minute



The amount of air that leaks through four traditional vinyl windows is equal to 10 Pro Windows combined.

PRO WINDOWS are over TWO TIMES MORE AIRTIGHT than traditional vinyl residential high-performance double-hung windows.