

# Are Sheffield Windows really that good? Independent tests give you an unbiased answer.

You expect us to say Sheffield Windows are technically superior. And we understand that you might want to verify our claim.

That's why we have independent testing and certification agencies test Sheffield Windows. Here's what their findings say:

- Sheffield Windows easily passed the rigorous air infiltration resistance testing procedure of the American Society for Testing and Materials (ASTM). ASTM E 283.

- Sheffield Windows resisted water infiltration during a test in which the equivalent of eight inches of rain an hour is blown onto the window at a simulated wind speed of approximately 60 mph. ASTM E 547.

- Sheffield Windows maintained their structural strength and integrity in tests simulating winds of over 155 mph. (This is the same wind speed reserved for Category 5 hurricanes by the National Hurricane Center). ASTM E 330. These tests were witnessed by independent testing laboratories utilizing the nationally recognized and accepted American Architectural Manufacturers Association (AAMA) test standards and criteria. Tough tests, tough judges, tough window. Sheffield Windows. The best way to look out on the world.

## Your absolute guarantee of quality... the Alside Lifetime Limited Warranty.

Sheffield Windows are made by Alside, a recognized leader in product innovation, manufacturing excellence and uncompromising quality control. That's a reputation you can count on, from the day your windows are installed until the day you sell your home. And to make your buying decision easier, Alside backs all Sheffield Windows with its Lifetime Limited Warranty.<sup>†</sup> Your assurance that we mean what we say.



## Underwriters Laboratories approved.

The respected product safety organization, Underwriters Laboratories, has inspected and tested Sheffield Windows, certifying that they are UL Classified to ASTM E84.



ENERGY STAR®  
PARTNER OF THE YEAR  
2000, 2001 & 2002



# Sheffield®

Fusion-Welded Vinyl Windows



The ultimate choice for maximum beauty, strength and energy savings.

**Alside**®

Alside, Inc. PO Box 2010 Akron, Ohio 44309  
1-800-922-6009 [www.alside.com](http://www.alside.com)

**Alside**®

## *An Eco-Friendly Choice.*

*Exceptionally energy-smart and weathertight, Alside windows not only reduce fuel consumption needed to heat and cool homes, they also boast a long service life and achieve optimal material use and minimal waste in production. Virtually all in-plant vinyl scrap is recycled into other useful products, further reducing the environmental impact of waste. And because vinyl never needs to be painted, it helps eliminate paint, stain and other maintenance-related products from entering the waste stream or releasing volatile organic compounds (VOCs) into the atmosphere. Vinyl windows also are eco-friendly because vinyl resin is derived largely from common salt—a sustainable and abundant natural resource!\**



\*Source: "A Clear View: Vinyl Windows and the Environment," n.d., <<http://www.vinylindesign.com/site/page.asp?CID=18&DID=19>> (December 3, 2008).

# *The beauty you see is just part of the Sheffield story.*



*In every detail,  
a commitment to excellence.*

*Sheffield's superior performance starts with innovatively engineered components that provide the basis for superior energy savings.*

The multi-chamber design of the Sheffield Window helps trap dead air to produce an effective insulating barrier, while fusion-welded frames and sashes provide superior structural strength and create a permanent barrier against air and moisture infiltration. A special multi-layer weatherstripping and a superior sash interlock system offer additional barriers to air infiltration adding up to greater energy savings — and lower utility bills.

Sheffield's Intercept™ Warm Edge Spacer System with high-efficiency insulated glass creates an effective barrier that helps to prevent heat loss during winter and heat gain during the hot summer months. Premium PVC forms the extra-thick walls of Sheffield's sturdy frames and sashes, and the quality construction ensures that they won't rot, swell, split, corrode or pit. It's tough, durable and other than an occasional washing, requires minimal maintenance.

To ensure easy opening and closing of the Sheffield Window, the constant force balance system and heavy-duty operating hardware will continue to operate perfectly, even after decades of regular use. A sloped sill helps prevent water and air infiltration while maintaining the timeless detailed appearance characteristic of double-hung windows. Beveled mainframe on double-hung, sliding and casement windows provide a finished appearance complementing every home style.

*Sheffield energy-efficient design.  
Saving money with every utility bill.  
Providing comfort in every season.*

## Energy Efficiency.

# Fusion welding assures lasting quality and performance.

Using advanced design and superior materials, Sheffield Windows produce outstanding energy savings and trouble-free operation.

1. Vinyl frames and sashes will never chip, peel, crack or warp. Made tough and solid with PVC resin, their color is formulated throughout so the beautiful luster lasts.
2. Airtight insulating chambers help reduce conduction and cut high energy bills.
3. Quad 4 weatherstripping at the header adds even more protection from the elements.
4. Insulated glass unit featuring double strength glass with optimal air space improves year-round performance.
5. PPG Intercept™ Warm Edge Spacer System maximizes window performance and longevity.
6. Interlock at sash meeting rails create a super-tight seal against air infiltration, providing security, comfort and well being.
7. Metal reinforcement adds strength at the meeting rails.
8. Drop-in glazing provides energy efficiency as well as interior aesthetic appeal.
9. Compression bulb seal at the sill creates an all-season weather barrier.
10. Sloped sill ensures quick water drainage to the exterior.
11. Hidden screen track produces clean lines and added beauty.

### The advanced design of Sheffield Windows also gives you:

- A fusion-welded sash and mainframe structure for added strength and rigidity. Tough, extra-thick extrusion walls provide the ultimate in welding strength.
- Dual ventilator locks, a secure way to keep windows open for ventilation.
- Full balance covers help protect against air infiltration while adding a finished look to the window frame.
- A constant force balance system eliminates sash cords, weights and pulleys, and provides easy fingertip operation.
- Tilt-in top and bottom sashes make cleaning safe and easy from inside the home.
- Triple-barrier weatherstripping between the sash and jamb for superior protection from air and water infiltration.
- Full or half fiberglass screens provide ventilation while keeping insects out.



## Energy Tax Credit Qualified!

Take advantage of temporary tax incentives. Now through the end of 2010, the new U.S. Energy Tax Credit allows up to \$1,500 in tax savings for new windows that meet strict energy-efficiency requirements. Sheffield windows\* with the ClimaTech insulating glass package qualify for this valuable incentive program —another smart way to save! Please see your Alside Sales Representative for more information and visit [www.alside.com](http://www.alside.com) for eligibility details and important tax credit links.



## For increased window performance, choose ClimaTech®.

The optional ClimaTech Insulated Glass Package combines multi-layered Low-E Glass with the Intercept™ Warm Edge Spacer System and argon gas. The ClimaTech glass package is up to 40% more energy efficient than most other low-E or mid-E glass systems, and provides more than twice the energy efficiency of clear glass units.



Low-E glass filters long-wave radiation from the sun. This reduces solar heat gain from the summer sun, helping to keep your home cooler.



Low-E glass takes on a new responsibility in winter months. It lets warm solar rays into your home, while blocking the heat inside of your home from getting out.

Sheffield Windows with ClimaTech are so efficient, they far exceed the performance requirements set forth by the US Department of Energy in conjunction with the National Fenestration Rating Council (NFRC) test criteria. The NFRC is an organization that was established to oversee the implementation of performance ratings by manufacturers of window and door products.

One of the most critical NFRC tests measures the rate of heat loss through a window or door. This is known as a U-Value. The lower the U-Value, the better the product is at resisting heat flow, which results in a product with a greater insulating value. The chart below clearly indicates that a Sheffield Window with the ClimaTech option will be far more energy efficient than a window with a clear glass unit.

Window U-Value Comparison	
Window Size	47 1/4" x 59"
Clear Glass Unit	0.45
(ClimaTech) Low-E/Argon	0.30

Type of Glass Unit	Clear	Low-E/Argon
SHGC	0.53	0.28

Another critical NFRC test is for Solar Heat Gain Coefficient (SHGC). This procedure measures how well a product blocks heat caused by sunlight. Again, the lower the number, the less solar heat the window transmits into the home. As shown here, the performance of the Sheffield Window will increase substantially with the addition of the ClimaTech Insulated Glass Package. The benefit to this is that your air conditioner will work more efficiently, thereby lowering your energy requirements.

## Sheffield Windows earn ENERGY STAR® approval.

The advanced components and design used in Sheffield Windows exceed all criteria required by the ENERGY STAR® program. The ENERGY STAR® program is a joint venture between the US Environmental Protection Agency (EPA) and the US Department of Energy (DOE) designed to encourage homeowners to purchase energy-efficient products. Using less energy in our homes reduces the amount of CO2 emissions released into the atmosphere from burning fossil fuels such as coal, oil and natural gas.



# ClimaTech®

High Performance Insulated Glass Package

Make your home an energy miser.

It's easy. Just upgrade your windows with our ENERGY STAR® qualified CLIMATECH® INSULATED GLASS PACKAGE.

Sheffield Windows are designed for superior thermal performance. By choosing our ClimaTech® insulated glass package, featuring Low-E Glass and the Intercept™ Warm Edge Spacer System, you can help reduce your energy costs even more, while further reducing consumption of fossil fuels.

## What makes the CLIMATECH® INSULATED GLASS PACKAGE so effective?

Since 80% of a window is glass, substantial heating and cooling savings come from improved glass performance.

- Our combination of UV-filtering Low-E Glass, insulating argon gas\* and the Intercept™ Warm Edge Spacer System creates significant energy efficiency. Together they can cut the damaging effects of the sun, which can lead to the fading of carpets, curtains and furniture by an additional 72% over clear insulated glass units.
- In winter, a warmer glass temperature is maintained, increasing the R-value by an additional 104%.
- In summer, a 49% reduction in solar heat gain helps cut air-conditioning costs.

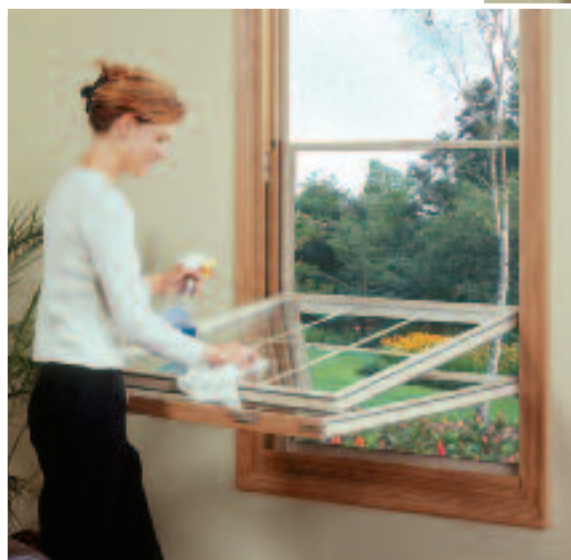
The result: Your monthly utility bills will reflect savings year round.

## Double-Hung Windows.

*Exceptionally efficient and beautiful...from top to bottom. Classic Sheffield Double-Hung Windows.*

*It's the most popular window choice in American architecture—the stately, ascending lines of double-hung windows—a style that adds beauty and distinction to any home.*

- A fusion-welded sash and mainframe structure for added strength and rigidity. Tough, extra-thick extrusion walls provide the ultimate in welding strength.
- Multi-wall extrusion for superior welding strength.
- Interlock at sash meeting rails create a super-tight seal against air infiltration, providing security, comfort and well being.
- Sloped sill helps water drain to the exterior.
- Drop-in glazing provides energy efficiency as well as interior aesthetic appeal.
- Triple-barrier weatherstripping for superior protection from air and water infiltration.
- A constant force balance system that eliminates sash cords, weights and pulleys and provides easy fingertip operation.
- Hidden screen track produces clean lines and added beauty.



## Sliding Windows.

*Open your home to the beauty of wider perspectives...Sheffield Sliding Windows.*

*With ordinary windows, more is usually a problem—more window area means more heat loss, and that means higher heating and cooling bills. But with energy-efficient Sheffield Sliding Windows, it's easy to open your rooms to added beauty.*

- A fusion-welded sash and mainframe structure for added strength and rigidity. Tough, extra-thick extrusion walls provide the ultimate in welding strength.
- Multi-wall extrusion for superior welding strength.
- Hidden screen track produces clean lines and added beauty.
- Double-barrier weatherstripping for superior protection from air and water infiltration.
- Nylon-encased dual brass roller system.
- Theft deterrent locks.



## Swing & Clean Sliding Windows.



Never having to remove sashes to clean the exterior glass panels makes cleaning simple. Just unlock the control latch and swing inward.

## Casement Windows.

*A big, beautiful view with maximum air flow... get it all with Casement Windows.*



*Casement windows are both beautiful and versatile, making them easy to use in any room and with any architectural style.*

- Beveled exterior sash design gives the window the appearance of a larger glass area with an attractive slimline look.
- Step-down frame with compression-type inner bulb seal provides a tight seal during inclement weather.
- State-of-the-art heavy-duty hinge system provides multi-directional ventilation and allows sash cleaning from inside the home.
- Positive crank mechanism permits easy operation when opening and closing the sash.
- Metal reinforcement helps to secure the operating hinge system.
- Multi-point locking system ensures a tight fit and added security.
- Multiple lite configurations available in single mainframe.

## Bay and Bow Windows.

*Extend the dimensions of a room with elegant Bay and Bow Windows.*



*Bay and bow windows let you change the basic architectural look of your home—inside and out. They open up rooms, making them seem larger and brighter.*

- 1-1/4" furniture grade veneer is standard in the construction of head, seatboards and jambs.
- Head and seatboards in oak or birch veneer finish each window and are ready for painting or staining.
- 3" pre-insulated seatboard option helps increase energy savings.
- Slimline reinforced mullion design provides superior strength and support for the selected components.
- Bay and bow windows are available in white or beige with optional light oak, dark oak, foxwood or cherry woodgrain interior finishes.
- Exterior roof system available with copper or painted aluminum roof clad kits.

## Awning Windows.

*Awning Windows open up and out to create a graceful awning-like appearance.*



*Create an elegant interior and exterior design for your home with easy-to-operate awning windows.*

- Beveled exterior sash design gives the window the appearance of a larger glass area with an attractive slimline look.
- Heavy-duty state-of-the-art hinge system provides easy operation from inside the home.
- Metal reinforcement helps to secure the operating hinge system.
- Awning windows feature a dual point locking system for a safe secure fit.
- Multiple lite configurations available in single mainframe.
- Combine awning and fixed lite windows to add striking beauty and increased visibility.

## Garden Windows.

*Create a bright showcase for your favorite plants with Garden Windows.*



*Now you can have fresh flowers or herbs in your home throughout the year, right in the room where they'll bring you the most pleasure.*

- Fully welded mainframe for strength and stability.
- Top sloped insulating glass panel is tempered for improved safety and unit integrity.
- Equal sightlines between picture units and operating sashes.
- Twin sealing, fully screened, operating casement improves weather protection.
- Multi-point locking system for a tighter seal and added security.
- Clear 1" insulated glass unit provides all-weather protection.

## Sliding Patio Doors.

Combine indoor and outdoor living with classic Sliding Patio Doors.



Go outside or bring the outside in with classic patio doors that combine beauty and energy efficiency.

- Mainframe substructure, combined with vinyl cladding, provide an effective thermal barrier.
- Vertical sash components are metal reinforced for added structural strength.
- Extra-deep weatherstripped integral interlocks at meeting stiles for added protection against air infiltration.
- Panels slide on dual adjustable brass wheels with steel ball bearings for smooth movement.
- Heavy-duty fiberglass screen with aluminum frame features an adjustable independent wheel system in all four corners.
- Available in 2-, 3-, and 4-lite configurations.

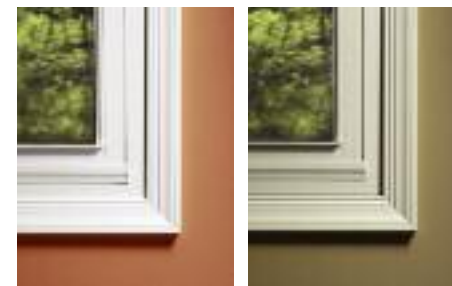


## Decorative Options.

Add beauty and value to any window style.

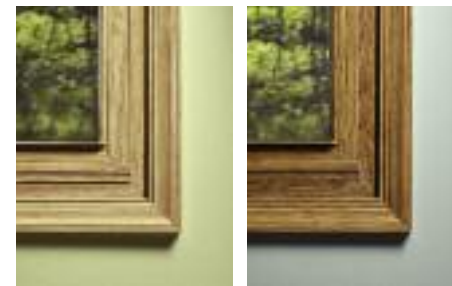
Choose colors and finishes that add distinction to any room.

Sheffield Windows are available in two solid colors — white or beige. For the appealing look of natural wood trim, choose optional light oak, dark oak, foxwood or cherry woodgrain finishes.



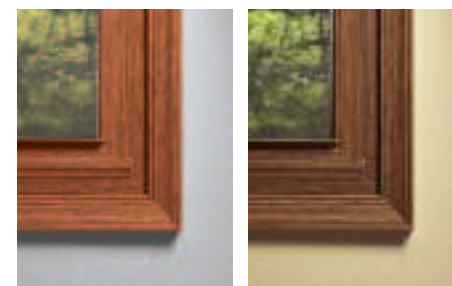
White

Beige



Light Oak

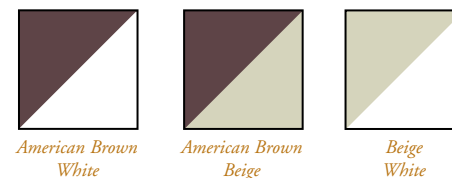
Dark Oak



Foxwood

Cherry

All Sheffield Windows are available in white or beige with an optional American Brown exterior or in beige with a white woodgrain interior.



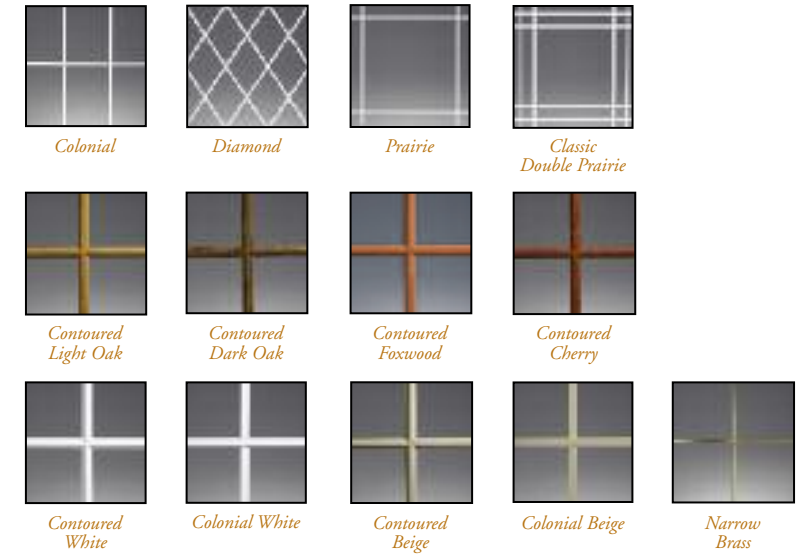
American Brown White

American Brown Beige

Beige White

## Interior Grids

Classic grids are available in complementary white or beige, in Colonial, Diamond, Prairie and Double Prairie patterns. Contoured Colonial grids feature a modeled "cut wood" look and are available in complementary colors and in matching woodgrains. Sheffield also offers narrow Colonial grids with a bright-brass finish. All grids are enclosed within the insulated glass unit for easy cleaning.



Colonial

Diamond

Prairie

Classic Double Prairie

Contoured Light Oak

Contoured Dark Oak

Contoured Foxwood

Contoured Cherry

Contoured White

Colonial White

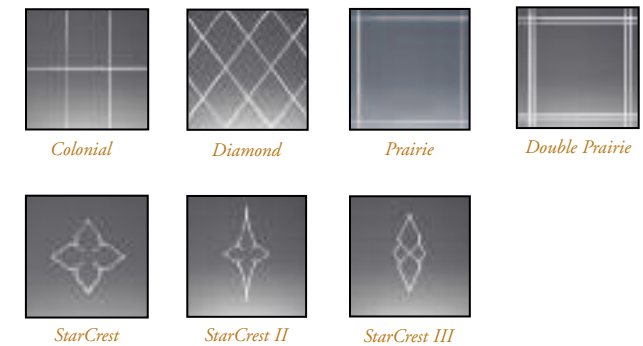
Contoured Beige

Colonial Beige

Narrow Brass

## Cut Glass

Sheffield Windows are also available in a variety of cut and polished glass patterns.



Colonial

Diamond

Prairie

Double Prairie

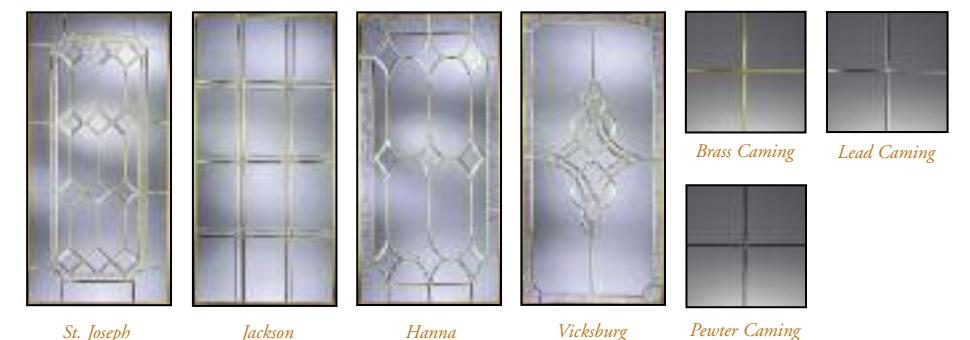
StarCrest

StarCrest II

StarCrest III

## Authentic Beveled-Leaded Glass

These options add elegance and distinction to any home. All leaded glass is hand-crafted using hand-cut glass, crystal bevel clusters, and hand-soldered camings. Available in four attractive glass styles to suit your architectural décor. Select a coming metal to match your taste—brass, pewter, or lead.



St. Joseph

Jackson

Hanna

Vicksburg

Pewter Coming

Brass Coming

Lead Coming