

# Pro-Tech<sup>177</sup>

*Advanced Technology Windows and Doors*



**WINDOWS AND DOORS, INC.**  
Manufacturers of Quality Replacement Products

*Appreciate All the  
Comforts of Your Home with  
Premium Vinyl Windows*

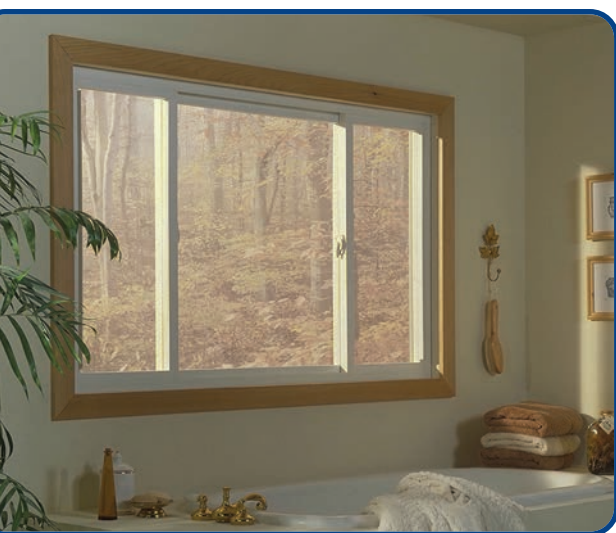
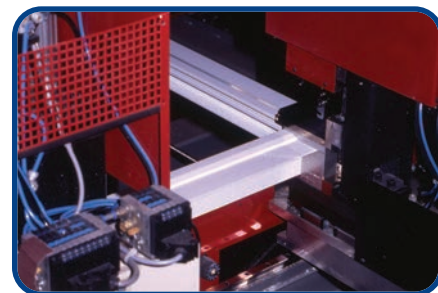


# PRO-TECH 177 SETTING THE STANDARD IN WINDOWS



## State of the Art Technology

More than thirty years of research and development are built into every fully welded Pro-Tech 177 Series replacement window, producing state-of-the-art designs using advanced production techniques. A technologically advanced fabrication process allows compound shapes to be fusion welded at sill corners, producing a window that is actually stronger than conventional welded windows. Innovative technology means unparalleled styling and top performance for homes of distinction.



## Sliders and Picture Windows

In our fully welded slider and picture window, the advantages of our technology produces a sophisticated, uncluttered look.

# ENGINEERED FEATURES YOU CAN EXPECT

## Double-Hung Window Features and Benefits

Heavy Walled Construction:  
0.080" thickwalls

Deeply Pocketed Head:  
With weatherstripping to  
resist air infiltration

7/8" Insulating Glass:  
With optional Low'E'coating  
specifically chosen for maximum  
regional thermal efficiency

Dual Tilt In Sashes:  
Both sashes tilt in for easy  
cleaning

Die Cast Cam Lock and Keeper:  
Cam action actually draws sash  
closer together for positive lock

Interlocking Meeting Rail:  
Integral interlock provides  
additional security.

Three Layers of Weather  
Stripping: With double mylar fins  
for resistance to air and water  
infiltration

Flexible Bulb Seal:  
Provides a superior high  
performance weather seal like  
are refrigerator door

Positive Sloped Sill:  
Provides water runoff,  
even in driving rain

Fusion Welded Frame and Sash:  
The utmost in strength and  
integrity

Warm Edge Technology:  
Low conductivity spacer  
provides barrier to heat  
transfer in insulating glass unit

Night Vent Latch:  
Allows for ventilation with  
security.

Low Profile Routed-in  
Tilt Latches:  
Color matched low profile  
latches for a neat appearance

Composite Reinforcement:  
For maximum strength and  
thermal efficiency

Optional Fiberglass Insulation:  
In frame and sash to  
improve thermal performance

Stainless Steel Constant  
Force Balance:  
Trouble free, maintenance  
free. Provides smooth operation

Fully Welded Double Wall  
Interior Dam Leg:  
With fin-seal weather-stripping  
for improved strength and  
optimal air and water  
performance.

Storm Interlock:  
Integral sill and meeting  
rail lock and prevents sash  
from bowing under structural  
stress

### Double Hung Tilt-In Window Systems:

The ultimate in vinyl  
window technology, both  
frame and sash parts of our  
window systems are fusion  
welded. No screws, no  
gaps, just outstanding  
performance and ENERGY  
STAR efficiency in an  
exceptional slim-line  
window design.

- Half screens standard;  
Optional full screens  
also available.
- Companion Bows,  
Bays, Casements,  
Patio Doors and  
Architectural Shapes.

### Color Options

Standard solid color Creme  
White or Optional Desert  
Tan; Natural Oak or Cherry  
interior Wood Grain with  
Creme White or Desert Tan  
exterior; Bronze or Cocoa  
exterior over Creme White  
interior.

### 2 Lite & 3 Lite Sliders

- Sashes lift out for easy  
cleaning. But for added  
security, only lift out  
from the inside.
- Heavy duty tandem  
brass rollers allow for  
easy operation.
- Independent weep holes  
for excellent drainage.
- Sashes have equal-size  
glass for an appealing  
appearance. (2 lite only)





# PRO-TECH 177 CASEMENT & AWNING WINDOWS



## Casement Windows

Classic Beauty and Effortless Operation makes this a one-of-a-kind casement window system. A beveled frame, slimlines, and maximum glass exposure combine to create a sleek appearance. Advanced window technology gives the design many operational advantages.

## Virtually Unlimited Styles

include awnings, left and right single casements, fixed picture windows and two, three, four & five lite multiple units. Awnings, casements, and picture windows are able to be constructed in horizontal or vertical configurations with an internal mullion system, and unlimited architectural shapes



## Awning Windows

The welded awning combined with the picture window produces a sophisticated, uncluttered look with a great view.



# PRO-TECH 177 BAY & BOW WINDOWS



## Enduring Beauty

Enjoy contemporary styling and bring more natural light into your home with our classic bay or bow window. Distinctive, yet highly practical, these windows brighten interiors dramatically.



## Elements of Styles

Our bays and bows are fully customizable to match your home décor. Choose from a width range of 49" to 144"; any of our stylish grid options or none at all; 10°, 30° or 45° baywindows; four lite or five lite bow windows. Center and end vents are available in picture window, double hung or casement in the combination of your choosing. Jamb widths are also customizable to suit your every need.





# PRO-TECH 177 SERIES SLIDING PATIO DOORS



## Make a Grand Entrance

Create light and inspirational views in your living space with our premium patio door. This rigid vinyl door is an inviting transition from outside to inside or from room to room. This beautifully engineered system is designed with all the performance features important to you. Weather-tight frames combined with the natural insulating qualities of vinyl greatly reduce heat and cold transfer providing year-round comfort. Made from high quality, energy-efficient, virtually maintenance-free vinyl, these doors ensure satisfaction and lasting performance.

Choose from a variety of styles that will add brightness and beauty to your home. Add side lights, custom transoms and decorative grids to express your unique taste and your homes' architectural style.



## Patio Door Options

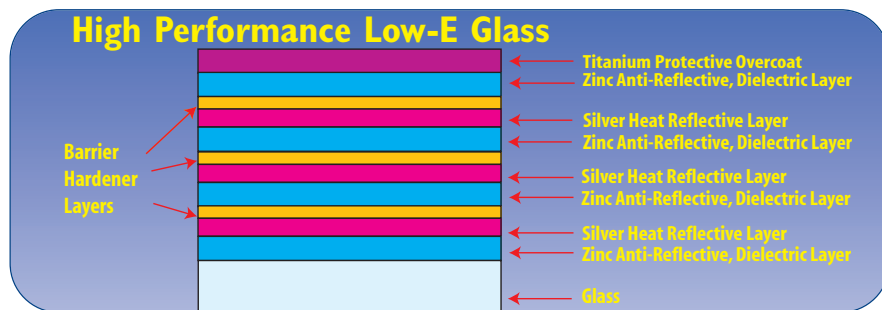
Add side lights, custom transoms and decorative grids to express your unique taste and your homes' architectural style.

The low rise sill is designed to minimize tripping and keeps water out.

# STATE OF THE ART IN PERFORMANCE TECHNOLOGIES

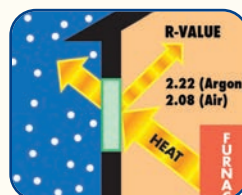
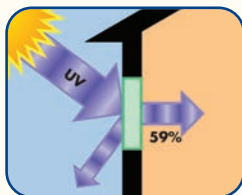
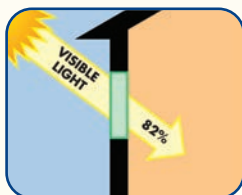
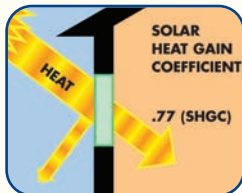
## Be Comfortable With Your Energy Bill

The high energy performance of the 177 Series Windows have the combined factors of a Warm Edge spacer and High Performance Low-E glass. Combine these technologies with an Argon gas fill and you will maximize your energy performance and decrease your heating and cooling costs. In the winter months, Low-E helps keep heated air inside and cold air outside. In the summer, Low-E helps keep cool air in and hot air out. Low-E also blocks up to 84% of the harmful ultraviolet rays which can fade carpets, draperies and artwork. In addition since Argon gas is six times more dense than air, it greatly reduces the transfer of hot and cold-adding even more thermal efficiency. It is this combination of Warm Edge and Low-E/Argon filled glass that helps you save on your heating and cooling costs.

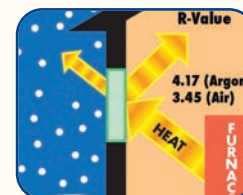
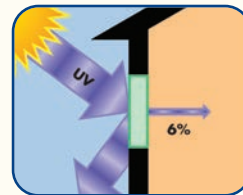
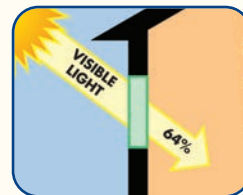
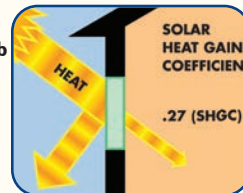


## COMPARE THE FEATURES & BENEFITS OF INSULATING GLASS

### Standard Clear Insulating Glass



### High Performance Low-E Glass



#### Cooler In The Summer

The total solar energy transmitted through Slocomb High Performance Low-E Glass is almost 63% less than that transmitted by standard clear insulating glass.

- Lower SHGC numbers mean less summer heat
- Keeps interiors cooler
- Helps reduce cooling energy cost

#### Transmits Visible Light

Slocomb High Performance Low-E Glass transmits about 80% as much desirable visible light as standard clear insulating glass.

- Provides exterior appearance similar to clear glass
- Provides glare control in bright, sunny climates

#### Reduces Ultraviolet Energy

Slocomb High Performance Low-E Glass reduces fabric-fading UV energy 90% more effectively than standard clear insulating glass.

- Helps protect interior furnishings, fabrics and carpets from fading

#### Warmer In The Winter

The winter nighttime R-Value (insulating value) of Slocomb High Performance Low-E Glass is as much as 88% better than standard clear insulating glass.

- Higher R-values mean higher performance
- Reduces furnace heat loss
- Helps reduce heating energy

## Superior Energy Savings Performance

### 177 Double Hung

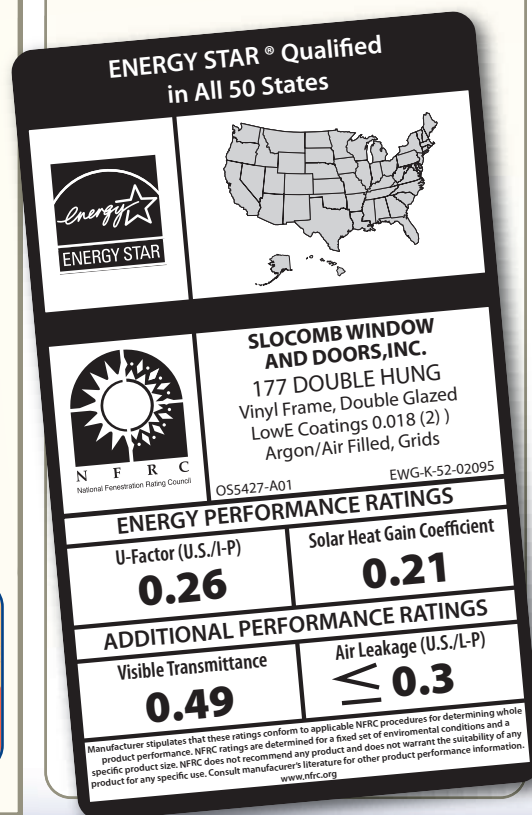
**U-Value .26**

**R-Value 4**

\*With LowE, Argon and Insulated Frame and Sash.

Superior energy savings and thermal performance of .26 U-factor exceeds all NFRC and ENERGY STAR requirements.

\*Optional





# ULTRAFLECT... THE TOP PERFORMING DUAL GLASS OPTION

## UltraFlect Achieving A Center of Glass R-Value of 5.00

Only **UltraFlect** combines proven technologies in high tech glass coatings, spacer systems, and gas filling to produce the most thermally efficient heat reflective and durable insulated glass package:

3 layers of Silver Oxide (11 total layers)  
Protected inside the dry air space.  
Specially formulated and positioned to best reflect sun's rays outside.

1 ceramic layer of Tin Oxide permanently bonded into the glass surface. Specially formulated and positioned to best reflect heat energy from your furnace inside.

**Keeps Summer Heat Outside**

**Keeps Winter Heat Inside**

**Duralite™**

Duralite® warm edge spacer system seals glass unit and insulates the edge.

Argon Gas fill provides an insulation barrier.

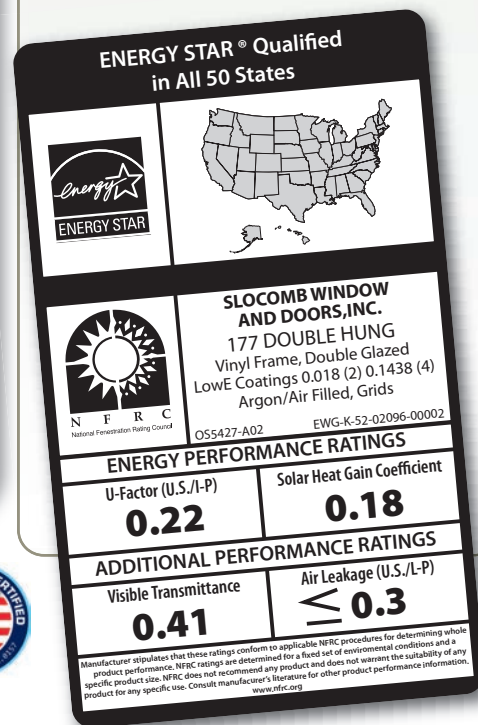
\* Optional

**Independent Laboratory Test Results**  
**U-Factor = 0.22**  
• **SHGC = 0.19**  
• **VT = .45**

Optional UltraFlect exceeds all ENERGY STAR qualifications, including the new standards that went into effect January 2010, and is eligible for a federal tax credit under Section 25C

**WARNING:** Some companies quote center-of-glass or other U-Factor and Solar Heat Gain Coefficients. (Some don't even know the difference, Don't be fooled!)

**ASK TO SEE THE NFRC RATING STICKER, and COMPARE.**  
\* Optional



**Slocomb**  
WINDOWS AND DOORS, INC.  
Manufacturers of Quality Replacement Products

[www.slocombwindows.com](http://www.slocombwindows.com)

A member of the Earthwise Group



Authorized Distributor: