

# Pro-Tech 177

Advanced Technology Windows and Doors



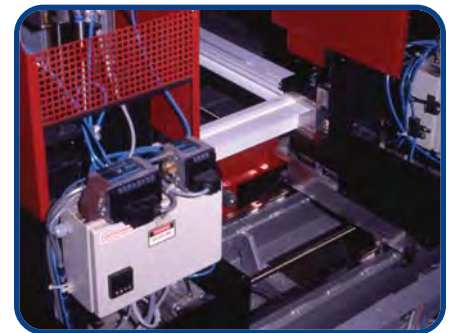
Appreciate All the Comforts of Your Home with  
Premium Vinyl Windows



# 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" thick walls

**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 a 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

**Aluminum Reinforcement:**  
Provides structural integrity in both sashes

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

**Fully Welded Double Wall Interior Dam Leg:**  
With fin-seal weatherstripping 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 Ivory White or Optional Desert Tan; Natural Oak or Cherry interior Wood Grain with Ivory White or Desert Tan exterior; Bronze or Cocoa exterior over Ivory 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 steel ball bearing rollers allow easy operation.
- Independent weep holes for excellent drainage.
- Sashes have equal-size glass for an appealing appearance. (2 lite only)

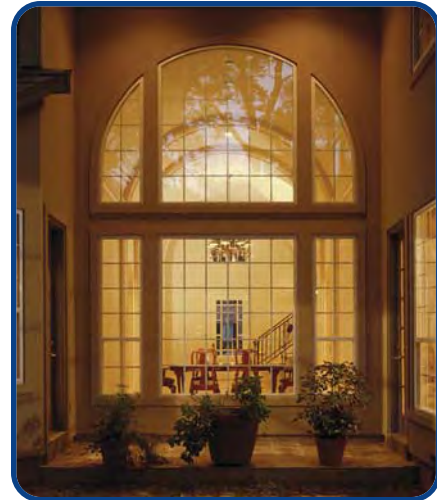


# PRO-TECH 177 CASEMENT & AWNING WINDOWS



**Casement Windows**  
Classic Beauty and Effortless Operation makes this a one-of-a-kind casement window system. A beveled frame, slim lines, 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° bay windows; 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.



# 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

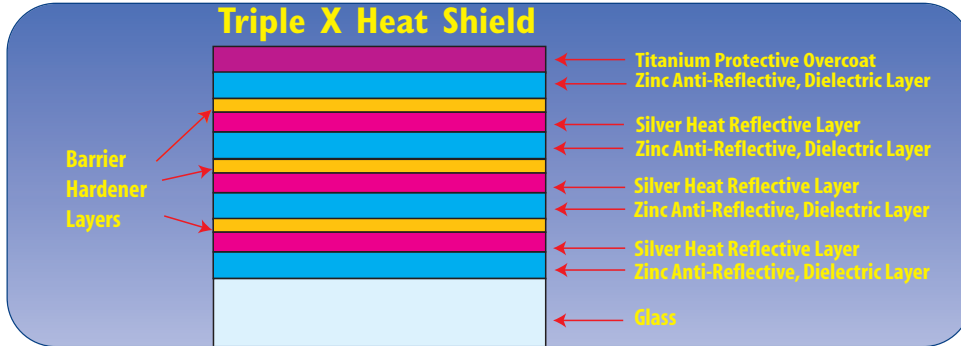
Add side lights, custom transoms and decorative grids to express your unique taste and your homes' architectural style.

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 clear appearance of Triple X Heat Shield insulating glass permits 64% of the sun's natural light to enter your home while blocking 72% of its heat energy. That means you can expect a summer cooling cost savings of up to 25% and lower your heating cost by cutting heat loss by nearly 50%. The microscopically thin heat reflective coating blocks solar energy in the summer and reduces the escape of heat in the winter without altering the appearance of your window inside or out.



## Superior Energy Savings Performance

**177 Double Hung**  
**U-Value .26**  
**R-Value 3.850**

\*With Triple X Heat Shield and Insulated Frame and Sash.

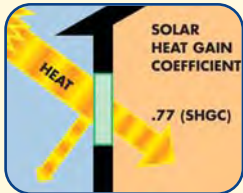
Superior energy savings and thermal performance of .26 U-factor exceeds all NFRC and ENERGY STAR requirements.

\*Optional



## COMPARE THE FEATURES & BENEFITS OF INSULATING GLASS

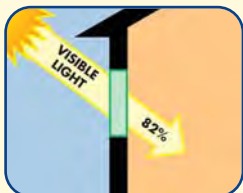
### Standard Clear Insulating Glass



### Cooler In The Summer

The total solar energy transmitted through Triple X Heat Shield glass is almost 63% less than that transmitted by standard clear insulating glass.

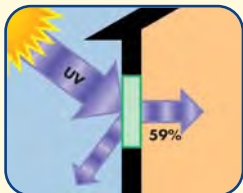
- Lower SHGC numbers mean less summer heat
- Keeps interiors cooler
- Helps reduce cooling energy cost



### Transmits Visible Light

The Triple X Heat Shield glass transmits about 80% as much desirable visible light as standard clear insulating glass.

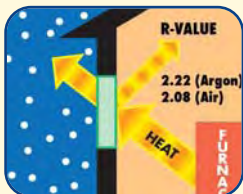
- Provides exterior appearance similar to clear glass
- Provides glare control in bright, sunny climates



### Reduces Ultraviolet Energy

Triple X Heat Shield glass reduces fabric-fading UV energy 90% more effectively than standard clear insulating glass.

- Helps protect interior furnishings, fabrics and carpets from fading

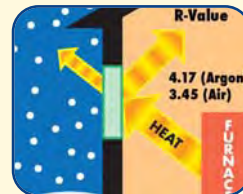
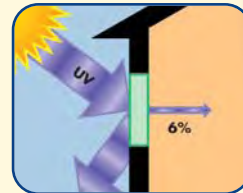
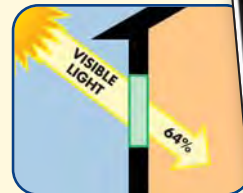
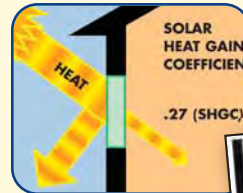


### Warmer In The Winter

The winter nighttime R-Value (insulating value) of Triple X Heat Shield 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

### Triple X Heat Shield Glass



**ENERGY STAR<sup>®</sup> Qualified**  
In All 50 States

**NEWTOWN-SLOCOMB MANUFACTURING, INC.**  
**177 Series DOUBLE HUNG**  
Vinyl frame, Double glazed  
Low E coating (e=.018)  
Argon/air filled EWG-K-52

**ENERGY PERFORMANCE RATINGS**

U-Factor (U.S./1-P)	Solar Heat Gain Coefficient
<b>0.26</b>	<b>0.21</b>

**ADDITIONAL PERFORMANCE RATINGS**

Visible Transmittance	—
<b>0.49</b>	

Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining which product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. NFRC does not recommend any product and does not warrant the suitability of any product for any specific use. Consult manufacturer's literature for other product performance information. www.nfrc.org

# PRO-TECH 177 SETTING THE STANDARD IN ENERGY SAVINGS

**Duralite™** To ensure your home will be comfortable during the intense heat of summer and the frigid winds of winter upgrade your new windows and doors to our high performance glass package with Duralite™.

## Duralite™ Spacer System

- Lowest conductivity warm edge spacer
- Improved condensation resistance
- Superior argon gas retention
- Unique patented design
- Exceeds ENERGY STAR requirements



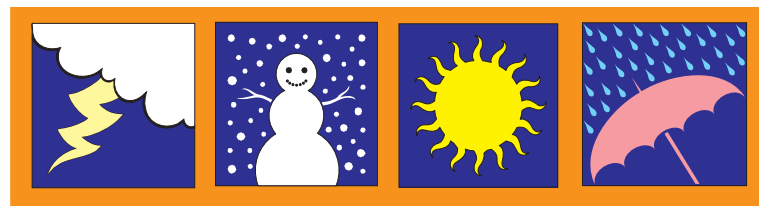
## Optional Glass Packages

Insulating glass maintains comfort, saves energy, and reduces outside noise. Pro-Tech 177 Series insulating glass is made with the following high quality elements.

- Optional Low E Glass with Argon gas
- Optional Double Strength Glass
- Optional Tempered Safety Glass
- Standard Warm Edge Spacer



## Extensive Testing Under All Conditions



Rigorous testing proves that DuraLite can maintain excellent adhesion in hot or cold climates. Tested extensively in thousands of extreme freeze thaw cycles, a year in hot humid environment or combined with intense UV, DuraLite exceeds the challenges of every major durability test in North America.

## The Value in Our Windows

The Pro-Tech177 Series line represents the state of the art design in window systems, among the most advanced in the industry. We offer styles and options to fit any architectural requirements – both contemporary and classic. And we build to a quality level achieved from years of experience and back it with our Lifetime Limited Warranty.

### The Higher the Number the Greater the Savings!

(Total Window R-Value)

**Duralite™**

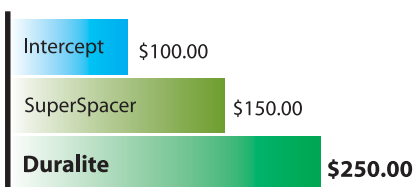


**Total Window R-value**  
Duralite can improve the total window R-value

Warmer window R-values makes you feel more comfortable.

### Average Annual Savings Compared to Spacer Bar

(Dollars of Energy Savings\*)



**Energy Savings**  
Duralite improves the total window R-value which reduces heat loss and saves money on energy bills.

\* Your savings may differ, based on the cost of fuel or the type of windows in your home.

## Superior Conductivity Reduction

Duralite® reduces conductivity by 50% over other warm edge spacers.



**Conductivity**  
Duralite replaces conductive materials used in solid spacers with air. This unique design concept creates one of the first hollow warm edge spacers on the market



A member of the Earthwise Group



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

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