



## Performance Series

The highest standard  
in vinyl windows

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The Aztech Performance Series is by far the best vinyl window on the market today. The superiority of these Canadian made windows becomes apparent when you consider their unique virtues:

- Exceptionally good looks with unique attractive contouring inside and out like finished woodwork.
- Highest quality un-plasticized pure PVC expertly compounded and extruded directly from pure powder. Ecologically responsible.
- The most advanced structural design for superb functionality in a high performance window.
- A sealing system found in only the highest quality windows.
- Aztech's sealed unit manufactured completely and exclusively by CARDINAL I.G. with each sealed unit numbered and registered for a lifetime.
- The ultimate in smart glass technology featuring the latest in superior Cardinal Low-E and self-cleaning coatings to maximize the comfort of your home while dramatically lowering energy costs.
- High Security: Grade 40 Security which is the highest security rating possible against forced entry, far exceeding other windows and even the CSA A440 highest standard. Unique locking technology and manufacturing know-how helps protect your family, home and possessions to the highest level that can be tested.
- Every Window Style: casement, sliders, fixed, double hung and single hung; all featuring elegant architectural features to complement your sense of style.
- Extensive selection of glass and muntin bar options along with accessories to help you achieve exactly the look you need for your home to shine.
- Colours, as varied as your imagination can suggest, are combined with nano-technology.
- Tilting sashes for easy cleaning or optional self-cleaning NEAT glass, to remove at least one item from the chore list.

Aztech Doors & Windows proudly stands behind these ENERGY STAR and NFRC certified windows, backed by a NFRC certified installation and an industry leading Non-pro-rated Lifetime Warranty.







## EXCEPTIONALLY GOOD LOOKS

What makes Aztech's Performance Series so aesthetically appealing is their classic proportions that can be traced back to principles of ancient Greek architecture. And ancient Greeks were the world's first authority on finding eye pleasing proportions in nature and applying them to construction. Their designs are timeless classics.

With finely sculpted proportioned lines, the Performance Series offers the sophisticated elegance of finely crafted wood windows. These finely contoured surfaces play with the available light, finding attractive accents while eliminating the harsh reflected glare of flat-surfaced windows. This new standard in appearance is a far cry from the mundane industrial look of old flat surfaced windows.

This elegant styling carries throughout the design. Advanced glazing technology, for example, eliminates the need for exposed and unattractive black rubber glazing strips common to virtually all other vinyl windows. The result is clean attractive lines more like classic wood windows.

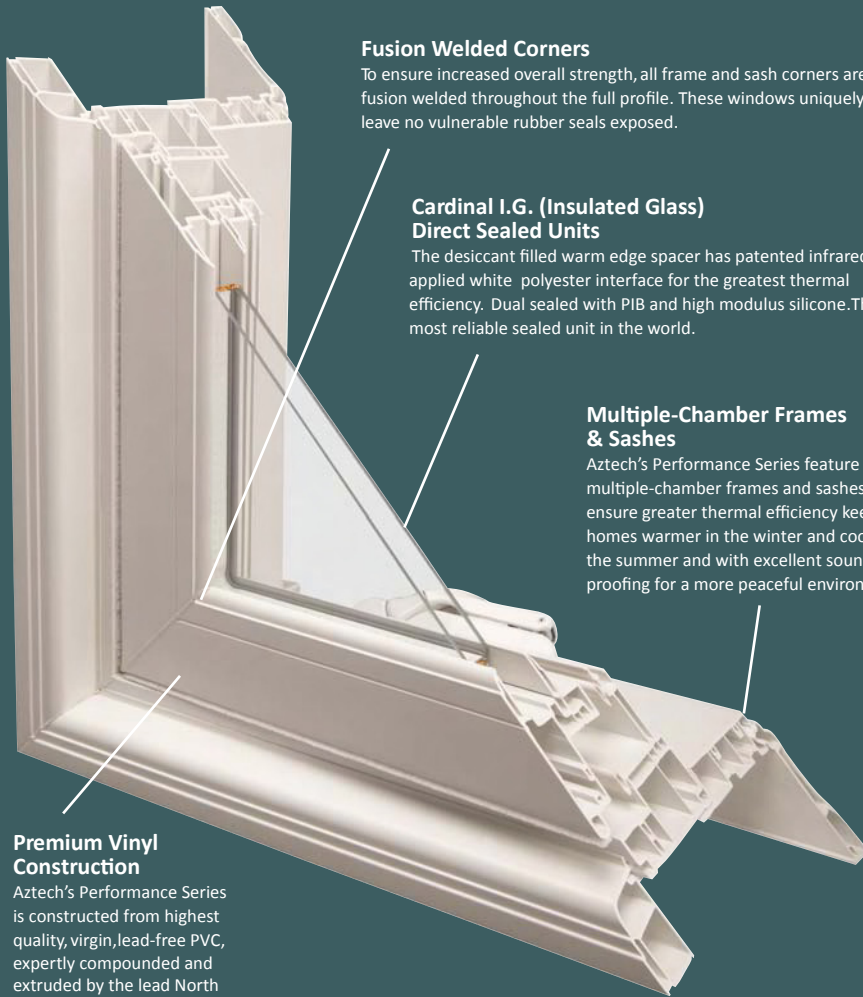
The overall symmetry of the Aztech Performance Series is on display with the seamless continuity of mullioned windows, joined in window combinations such as those found in bay and bow windows.

The new and improved Performance Series has gone one step further by introducing steps and reveals to the inside of the window. Now you can have both great street-side curb appeal and amazing elegant finished looks from the inside. A new and higher standard in style is finally here in a high performance vinyl window.



# ADVANCED STRUCTURAL DESIGN

## Casement with Vinyl Interior Trim and Exterior Brickmolding



### Fusion Welded Corners

To ensure increased overall strength, all frame and sash corners are fusion welded throughout the full profile. These windows uniquely leave no vulnerable rubber seals exposed.

### Cardinal I.G. (Insulated Glass) Direct Sealed Units

The desiccant filled warm edge spacer has patented infrared applied white polyester interface for the greatest thermal efficiency. Dual sealed with PIB and high modulus silicone. The most reliable sealed unit in the world.

### Multiple-Chamber Frames & Sashes

Aztech's Performance Series feature multiple-chamber frames and sashes, which ensure greater thermal efficiency keeping homes warmer in the winter and cooler in the summer and with excellent sound proofing for a more peaceful environment.

### Premium Vinyl Construction

Aztech's Performance Series is constructed from highest quality, virgin, lead-free PVC, expertly compounded and extruded by the lead North American manufacturers.

These windows are UV resistant and will not fade, discolour, warp, crack or peel.

### Heavy Duty Hardware

Aztech's Performance Series casement windows use only high quality hardware components completely backed by an industry leading Non-pro-rated Lifetime Warranty. Featured above is the Optional Fold-in Operator.



## OUTSTANDING SECURITY FOR GREATER PEACE OF MIND

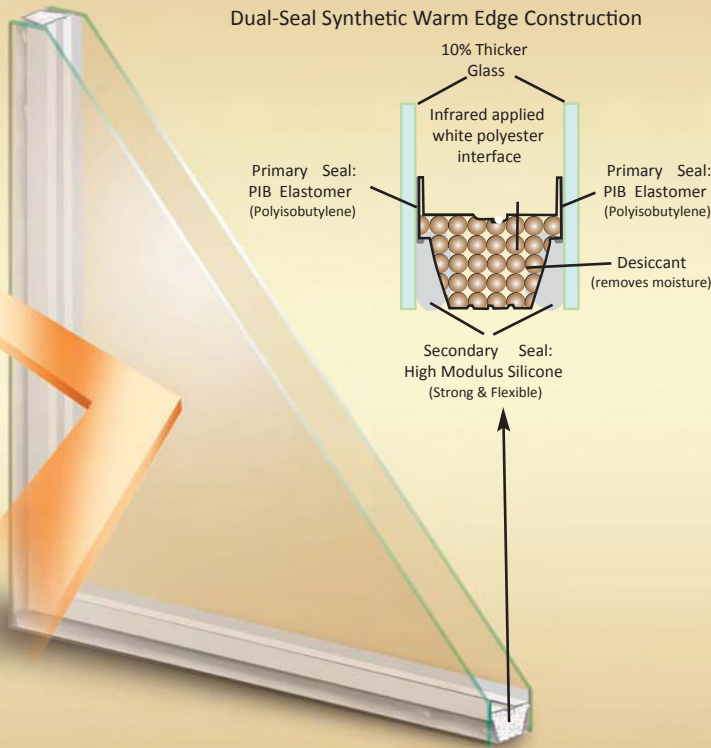
We understand that thousands of families rely on our products to protect them, shelter them, and give them piece of mind every single day and we've engineered our products accordingly. All of our windows and doors feature either our cam or multi-point locking systems made of stainless steel. Both systems were awarded the highest possible forced entry resistance rating of Grade 40 by The American Architectural Manufacturer's Association (AAMA) and the window got an overall performance rating of R50. These ratings are equal to those of a non-operating window. That rating surpasses all industry standards for security and ensures that your home's windows are the toughest to intrude among frequently targeted entry points.

Depending on size, each window has between between 1 & 5 locks, and easily resists the hand, tool, and load manipulation techniques commonly used by intruders.



# THE BEST INSULATED GLASS UNIT IN THE WORLD

Cardinal I.G. LowE Coatings Perfect for year round comfort and savings.



## Sealed Units Directly from the CARDINAL I.G. Factory

To ensure that its glass units are of the highest possible quality, Aztech's sealed glass units come directly from Cardinal I.G. ([www.cardinalcorp.com](http://www.cardinalcorp.com)) - the world's leading manufacturer of premium LowE insulated glass units.

Cardinal I.G. manufactures these glass units using Warm Edge Technology for maximum performance and longevity. They feature chamber-filled argon spacer eliminating the need for drilling holes which are a frequent cause of early seal failure. Industry studies show that Cardinal I.G. sealed units have a remarkably low seal failure rate of only .002% after 20 years. This compares dramatically to the industry average of 9% after only 15 years (SIGMA study). Be sure, get Cardinal I.G. from Aztech Doors & Windows, and you won't have to worry about what the future will bring, a key benefit of the comprehensive Aztech warranty. A warranty that works.

## Cardinal I.G. Superior LowE Glass Options

Aztech's Performance series windows are manufactured with the very latest and most advanced technology. Edge deleted and sputter coated, Cardinal soft coat LowE products provide year round comfort and energy savings. Cardinal LowE<sup>2</sup> (272) and LowE<sup>3</sup> (366) have excellent insulating capabilities, blocking heat loss to the outside and reflecting heat back into the room during the winter months while dramatically increasing comfort and liveability of your home for the rest of the year by reducing excessive SHGC's (Solar Heat Gain Coefficients) up to 65%. Choose a coating to virtually eliminate (95%) of destructive UV rays or, if a higher E.R. rating applies, Cardinal 179.



## Energy Star Specifications

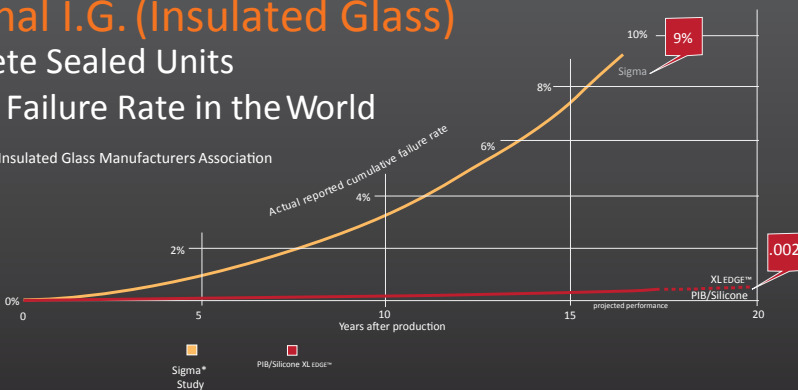
CSA Audited & Certified Performance. Aztech

windows achieved results of the highest order.



## Cardinal I.G. (Insulated Glass) Complete Sealed Units Lowest Failure Rate in the World

\*Sigma = Sealed Insulated Glass Manufacturers Association



With 450 million units currently under warranty and with units lasting 7.1 times the ASTM durability standard, 65% longer than the next best, Cardinal's warm edged sealed unit is without equal in the world. SIGMA reports (above) that the average industry seal failure rate is an abysmal 9% after a mere 15 years. Homtech's CARDINAL units, however, report a remarkable low rate of only .002 after 20 years!

## HIGHLY ENERGY EFFICIENT AND ECONOMICAL

### ENERGY STAR CERTIFIED

Aztech's Performance Series are certified high performance Energy Star windows. Canada's Energy Star zoning program places all of the GTA and most of Ontario including North Bay and Sudbury in 'Climate Zone "B"'. Here, close to the US border's and to the warmer zone "A", intense solar heat gain and destructive UV exposure can cause stifling heat and much discomfort in our homes and offices just as they do with our cars parked in the sun. Surprisingly, even in early spring and late fall interior glass temperatures may reach 40°C. Ironically, after a shut-in winter, it is not uncommon that people block the unwanted intense heat by closing the drapes and turning on expensive air conditioning. Aztech's spectrally selective CARDINAL I.G. LowE sealed glass units can avoid these common problems. Cardinal I.G. LowE sealed units are designed and manufactured for optimum balance between capability to reflect excessive solar gain during summer without blocking the beautiful daylight while allowing maximum winter



## CAN CSA-A440-00 Test Results.



CAS - Casement, DS - Double Slider, SS - Single Slider  
DH - Double Hung, SH - Single Hung, P - Picture, F - Fixed, A - Awning

Minimum passing standard.



# FULL RANGE OF WINDOW STYLES

Aztech's Performance Series comes in a full range of window styles to suit any home:

## Casement Windows

Hinged on the side, opening wide and outward like a door for the largest unobstructed opening of any style of window.

## Awning Windows

Hinged on the top, opens from the bottom using a top hinge, allowing ventilation in any kind of weather.

## Single Hung Windows

Bottom sash slides up smoothly and tilts inward for easy cleaning.

## Double Hung Windows

Top sash slides down while the bottom sashes slide up for total window control. Both sashes tilt inward for easy cleaning.

## Double Slider Windows

Both left and right sashes slide sideways as well as tilt inward for easy cleaning.

## Specialty Shape Windows

Picture style windows custom manufactured to fit any shape opening.



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