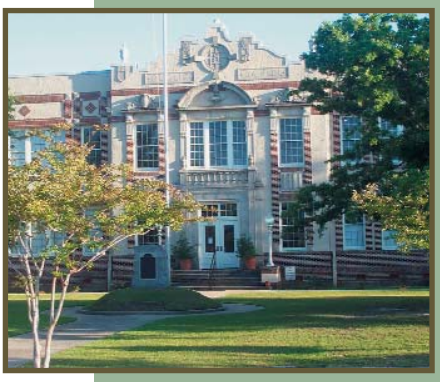
# CLIMATE SEAL™

THE WORLD'S BEST THERMAL, ACOUSTIC, PRESERVATION WINDOW INSERTS



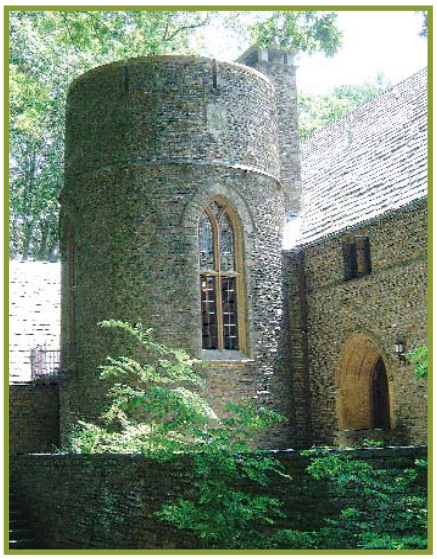
**WINDOW INSERTS....THE BETTER ALTERNATIVE TO REPLACEMENT WINDOWS!**

www.climateseal.com

# Climate Seal™ Overview

Outrageous fuel prices. Bone-chilling drafts. Irritating noises. Harmful ultra-violet rays. These are just some of the problematic conditions home and building owners face on a daily basis. And they're happening right through your windows! "And that's why the Climate Seal™ Retrofit Window System was created—to address *all of these problems in one single product."*

The Climate Seal™ window insert, more commonly known as an **"interior storm window,"** is a magnetically applied insulating retrofit system. It is virtually invisible once applied and is easily removed or opened for cleaning or storage. A metal strip is adhered or fastened to the perimeter of your window opening and actual placement of the system is up to you (for types of install, see page 3). Be wary of Imitation products though. They are abundant, but none have the proven performance and reliability of the Climate Seal™ and our custom design options further separate us from the competition. ***There simply is no comparison!***



Windows, doors, skylights and dormant fireplaces are just a few examples of the many applications perfect for the Climate Seal™ window insert system. All of the problematic conditions described above have been addressed in our Climate Seal™ 'Series' family of products which include: Thermal, Acoustic, Preservation and Pro. Whether you are a Homeowner, Architect, Interior Designer or Home Improvement Contractor, there is an ideal Climate Seal™ series system for you or your client.

***With home and building heating/cooling costs so high, what is the payback?***

***What if my windows are out-of-square or I have custom shapes and sizes?***

***How will the Climate Seal™ look once installed?***

***What are the advantages of retrofit over replacement?***

This brochure will address all of these questions and more. We will educate and hopefully motivate you to solve the various problems affecting us every day. So, let's get started. Those problematic windows aren't fixing themselves!

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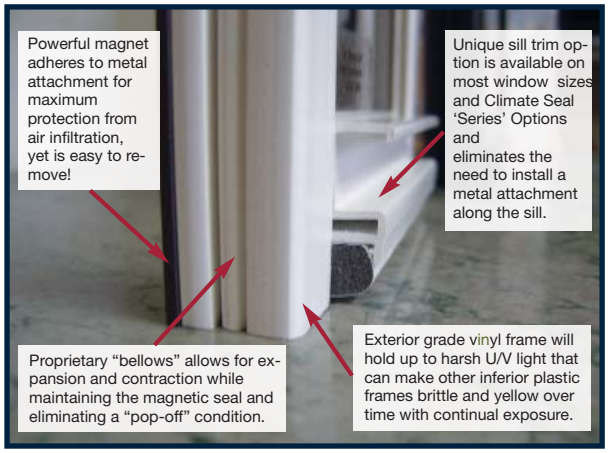
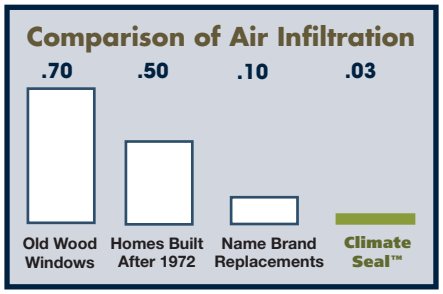
# Thermal Series

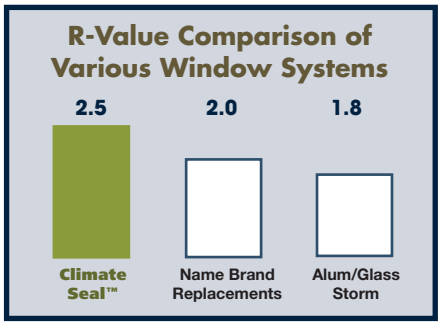
Relief from high fuel prices is here...just in the nick of time! Actually, the Climate Seal™ Thermal Series window insert has been slashing heating and cooling costs for its customers for over 30 years. Our Thermal Series offers immediate payback and a swift overall return on your new interior storm window investment. The secret is in our magnetic and proprietary bellowed design [see diagram] and superior insulating materials such as exterior-grade vinyl instead of aluminum and domestic acrylic glazing instead of single-paned glass. These unique and essential frame features create virtual elimination of air infiltration while adding additional insulating performance from the harsh elements just on the other side of your primary windows.

*The Above Thermal Camera Image Shows the #1 Source of Heat Loss...*
***YOUR WINDOWS!***




***Climate Seal™ Window Insert vs. Replacement Windows: Which is the BETTER Choice?***




When considering a window improvement project there is a lot to consider. Locations vary and existing conditions fluctuate. *Every building is different.* An ideal solution for one residence may not be for another. Appearance, condition, function and performance must be considered when determining the next step. The Climate Seal™ **Thermal Series** will unquestionably outperform any comparably priced replacement window in terms of performance and payback. That is certainly a bold statement, but very true for these simple reasons:

## RETROFIT:

When you retrofit with our Climate Seal™ Thermal Series window insert, you are improving your existing windows performance by upwards of 40-60%[1]. This combination (primary + Climate Seal™) is more effective and cost-friendly than typical replacement options[2].

## REPLACEMENT:

Replacing your windows introduces an improved product over your primary window, but when compared to our retrofit option, you are taking whatever performance you were currently experiencing and reducing it to "0" and are left with only the improved benefits of the replacement option instead of both the existing primary and a secondary layer.

1. *Actual performance improvement is determined by the type, age, condition and size of the primary window when retrofitted with our Climate Seal™ window insert.*
2. *Most, if not all comparable replacement window options have been shown to cost 2 or 3 times more than a same-sized Climate Seal™ window insert.*

## TYPES OF INSTALL

*In Jamb.*

*Flush Mount.*

# Acoustic Series

Born from our original Climate Seal™ Thermal Series, the Climate Seal™ Acoustic Series window insert specifically focuses on sound abatement across all frequency levels with exceptional performance while maintaining its discreet look and superior thermal properties. While the Climate Seal™ Thermal Series abates sound by up to 60% from pre-existing levels, the Acoustic Series boasts up to 80% sound reduction with an STC rating as high as 49, which rivals or exceeds the performance of many other competitive products and does so at a significantly reduced cost and aesthetic impact.

The Climate Seal™ Acoustic Series model is an ideal choice for many residential, commercial and historical applications. Whether you live on a busy street, airplane flight path or wish to maintain the comfort level of your hotel guests, the Climate Seal™ Acoustic Series window insert will perform extremely well, regardless of the application. Other acoustical window products have you call for a secondary and permanent window layer, which we feel is excessive, bulky and unattractive without an appreciable improvement above and beyond our Climate Seal™ Acoustic Series system. The Climate Seal™ Acoustic Series window insert is easily removed in seconds for access to the primary window for cleaning or maintenance and is just as easily re-applied to protect you from irritating and excessive decibel levels.

Below is a comprehensive breakdown of our performance ratings and results. We've also included a "before & after" scenario on (3) different primary window applications to illustrate how effective the Climate Seal™ Acoustic Series can be when applied over your primary window.

*MSU Riley Center-Meridian, Mississippi.*

*Triple Double Hung Acoustic Series Inserts.*

*Haywood Park Hotel-Asheville, North Carolina.*

*Thermal/Acoustic Inserts for Maine State Offices.*

## FEATURES:

- 3/4" Wide x 1" Deep window frame. Acoustic Series can also receive up to 5/16" acrylic for maximum performance, durability and strength.
- High performance "closed cell" acoustical weather strip foam to further dampen sound vibrations between the primary window frame and the Climate Seal's™ attachment system.
- Only 1/2 the weight of glass competitors, which can make removal very dangerous with their system.

## CLIMATE SEAL™ SOUND RATING – STC

| | *Window Assembly* | STC* |
|---|---|---|
| | Double Hung Window | 24 |
| | Double Hung Window w/Climate Seal Insert | 37 |
| | Triple Casement Window | 27 |
| | Triple Casement Window w/Climate Seal Insert | 44 |
| | Store Front/Hotel Fixed Window | 33 |
| | Store Front/Hotel Fixed Window w/Climate Seal Insert 6.2" AS | 51 |

**STC (Sound Transmission Class) – a rating to represent how well a building partition attenuates airborne sound. The higher the STC number, the greater amount of sound that is lost. This rating targets a noise spectrum surrounding speech levels.*



***Acoustic Series Can Achieve Up To 80% Sound Reduction!***

# Preservation Series

An interior storm window system created specifically for the historical community. In fact, many local, state and federal historical agencies, including the National Park Service, have granted use of our storm window product because the Climate Seal™ is exclusively an interior mounted product and the aesthetic impact to the exterior is eliminated. All agree that the Climate Seal's™ slim 3/4" wide vinyl frame and discreet attachment system options make for a perfect fit and look.

A variety of custom trim colors, real wood veneers and the upgrade to Museum Quality UV filtering acrylic creates a clean and invisible finish with outstanding protection from the heat and/or cold and a 98% filtration from the sun's harmful UV rays (a significant increase over our standard acrylic's 85% UV filtration properties). Because of our Climate Seal's™ unique magnetic attachment method to the steel subframe, removal and placement for cleaning or storage are quick and easy.

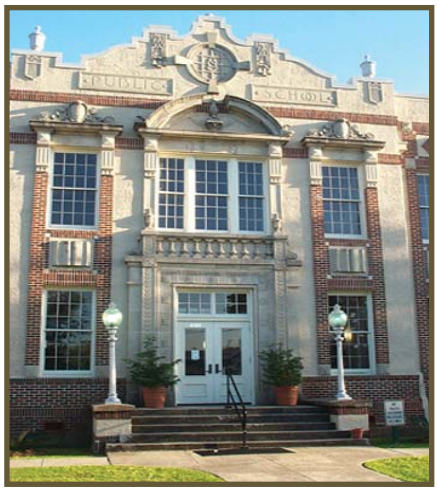
In addition to our standard white and dark brown Climate Seal™ trim colors, there are also many custom options available for your project.

**Please see page 7 to review the numerous options available to create that "invisible look".**

## THE PROJECT LIST

- James Blake House-Dorchester, Massachusetts Circa–*1648*
  **2nd oldest house in America!**
- Dwight Derby House-Medfield, Massachusetts Circa–*1651*
  **One of the ten oldest homes in America!**
- Riley Education Center MSU-Meridan, Mississippi
- Historic Deerfield-Deerfield, Massachusetts
- The Sargent House Museum-Gloucester, Massachusetts Circa–*1782*
- The Spalding House Museum-Lowell, Massachusetts Circa–*1760*
- Colonial Williamsburg-Williamsburg, Virginia
- Brooks Chase House-Saco, Maine Circa–*1747*
- The Preservation Society of Newport County
  *The Marble House, Kingscote, The Elms, Hunter House*
- City of Newport Town Hall-Rhode Island
- Fairfield Historical Society-Fairfield, Connecticut
- Nolde Forest Environmental Education Center
  Reading, Pennsylvania
- U.S. Customs House-Portland, Maine

*English Tudor with Steel Casement Windows.*



*Historic Schoolhouse 2nd Floor Sound Studios.*

*Custom Painted Inserts for Historic Home.*

*Historic Firehouse Converted Into Office Spaces.*

# Pro Series

The "Pro" Series Climate Seal™ window insert says it all in the name...*the best.* For the most discerning client who must have a superior quality storm window product and is willing to pay for it, the Pro Series Climate Seal™ model is a must.

What separates the Pro Series model from all of the other quality Climate Seal™ window insert options is in the crystal clear glazing we use during construction. We use abrasion-resistant quality acrylic (available in 1-sided or 2-sided, 1/8" or 1/4" thick) to give you the superior thermal, acoustic, UV light filtration and optical clarity of acrylic, but with the hard coat properties of glass to make it extremely durable and long-lasting. This amazing tandem does come with an increased cost, but so do most building products made from the finest quality.

Ask your authorized representative to go "Pro" with your Climate Seal™ window insert system and have the confidence and peace of mind to know you've just made a smart investment that will look great for generations to come.

*Inferior Brand "X".*

*Superior* **Climate Seal.**

## PROJECT OVERVIEW

An historic 4-star hotel in Asheville, North Carolina had a major problem: Street noises and music was blasting their historic wooden windows to the discomfort of their hotel guests and the frustrated management staff on site. Something had to be done, but what was allowed given their budget and the local Historical Society's renovation guidelines?

***The Answer:*** The Climate Seal™ Acoustic "Pro" Series. But first, they wanted to test our bold performance claims before making such an investment. Above are photos from both test subjects: our superior Climate Seal™ system and an inferior Brand "X". Both products were tested side-by-side in adjacent hotel room suites and upon the installation, the winner was clearly the Climate Seal™ system for its thin profile, high performance and easy removal for cleaning or maintenance (Brand "X" was permanent).

*Brooks-Chase House-Saco, ME*
*Circa 1747.*

*Hoyt Institute of Fine Arts-New Castle, PA.*

*City of Boston, MA-West Roxbury Library.*

*Happy Customers:*
*Pam & Mark Beckner-Charlotte, NC.*

# Custom Options

## STANDARD COLORS:

White

Brown

## REAL WOOD VENEER OPTIONS:

Cherry

Hickory

Knotty Pine

Mahogany

Maple

Red Oak

Walnut

White Ash

White Birch

White Oak

White Pine

## WINDOW & DOOR STYLES:

Single-Hung

Double-Hung

Horizontal Slider

Picture

Radius

Casement

Awning

Bow/Bay

Skylight

Sliding Patio Door

Out-Swing French Door

## WINDOW SHAPES:

Half Round

Elliptical

Segment

Quarter Round

Full Round

Radius Top

Quarter Segment Top

Segment Top

Multiple Groupings

Triangles

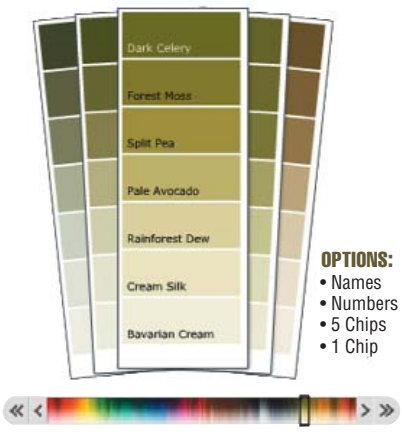
Trapezoid

Pentagon

Square

Octagon

Rectangle




**OPTIONS:**
- Names
- Numbers
- 5 Chips
- 1 Chip

***We Use a Commercial Grade Benjamin Moore Paint That Has Excellent Adhesion to Vinyl, Steel and Wood.***

### OPTIONS HIGHLIGHTS:

- Quality 3M® wood veneer pressure sensitive adhesive for lasting durability.
- Real wood veneer can be lacquered, shellacked, sanded and/or painted.
- Patented flexible trim allows most shapes to be perfectly contoured.

# Climate Seal™ Highlights

### *CLIMATE SEAL™ CAN:*

- Reduce heating and cooling costs up to 60% in energy savings.
- Reduce noise infiltration by up to 80%.
- Stop damaging condensation and ice build-up.
- Maintain the integrity of your historic building.
- Save you thousands over prime replacement windows.

### *CLIMATE SEAL™ IS:*

- A custom manufactured ***insulating interior storm window*** that installs within *or…*

  over the existing window cavity and becomes virtually invisible once in place.
- Maintains the integrity, but greatly enhances the efficiency of the original window; no tearing-out, no disruption.

### *CLIMATE SEAL™ IS NOT:*

- An exterior storm window.
- A prime replacement window.

### *A PROVEN PRODUCT:*

*Thousands manufactured and in service for **over 30 years**.*

## TESTIMONIAL

"I purchased Climate Seal™ window inserts for a condo that planned to sell at a later date. I had no idea how to deaden the noise that came in through the large windows in this older, downtown property. I searched the Net and found Climate Seal™. Not only did they educate me about the product, but they made it simple to buy something I knew so little about, the panels arrived quickly with all necessary parts included (too often not the case!) and then talked my carpenter through the installation process via the phone. The panels worked better than I would have ever expected, and made it cheaper to heat and cool the room as well. Did I mention that they were practically invisible once installed, so they changed nothing about the original character of the windows? Everybody who saw the panels was incredibly impressed with the whole thing. *A truly fantastic transaction.*"

*B. Rose*
*Springfield, Massachusetts*

## FEATURES & HIGHLIGHTS

- Eliminate the cost and mess of removing existing windows.
- Immediate payback through fuel savings.
- Virtually eliminate drafts and condensation.
- Slash irritating exterior noises.
- Custom made to your window frame measurements.
- Our vinyl magnetic frames will not deteriorate from the sun's harmful U/V rays.
- Proprietary "bellows" feature within the frame prevents excessive bowing or "pop-off" conditions.
- Lightweight-easy to install & remove.
- Easy to maintain and clean.
- Endorsed by various Historic Preservation Commissions.
- Nearly invisible once in place.
- Proven performance and in service for over 30 years.
- Expanding national dealer/ installer network.
- Do-It-Yourself options available.

CLIMATE SEAL™

THE WORLD'S BEST THERMAL, ACOUSTIC, PRESERVATION WINDOW INSERTS

SALES REPRESENTATIVE: