

CertainTeed
BrynMawr II™
W I N D O W S

**The classic look
for today's lifestyles.**

*A balance system
tested for decades
of trouble-free use*

*The best R-value
glass in its class*

*Nine ways to change
a window... and a room*

CertainTeed ®
Quality made certain. Satisfaction guaranteed.™

Lifetime windows for you and your home.



Bryn Mawr II™ windows are the next generation of CertainTeed's Bryn Mawr windows — recognized for superior quality by a major consumer publication. Their advanced design, based on our experience as the industry leader since 1979, combines long-lasting performance, great looks, superior thermal efficiency, and cost efficiency at a level never before available.

Bryn Mawr II windows can add value to your home. A rich set of features, an extensive selection of styles, and one of the strongest warranties in the industry make them the right choice for any home, and for every day.

Bryn Mawr II windows are laboratory tested for superior performance that will keep you comfortable and help you save on energy costs.



You're facing a serious decision.

You're choosing windows to replace your drafty old ones. Or to brighten up a room you're remodeling. You're making a choice you'll live with for a long time. So you need to feel secure that you're making the right decision.

You need to know that you're getting the best value for your money. This brochure and your contractor are a good place to start.

Compare and relax.

There are more than 600 brands of windows on the market today. Reviewing them all would be an overwhelming task. But you can make a good decision — by choosing the best value.

The ordinary vinyl windows on the market are often designed and built for low cost, not for value. They often have mechanically fastened sashes, inexpensive and less reliable block-and-tackle or spiral balance systems, and off-the-shelf hardware that doesn't match the color of the vinyl or other hardware. Additional costs are reduced by using clear glass, rather than more thermally efficient Low "E" glass, and by using old-fashioned aluminum spacers between the glass, rather than new low-conductance technology.

Value vs. Low Cost: Not all vinyl windows are created equal.

Feature	Best value solution	Low cost solution
Sash and frame	Robust double-wall profiles	Single-wall profiles
Sash construction	Fusion welding	Mechanical fastening
Standard glass type	High performance Low "E"	Clear
Glass spacer technology	New (warm edge with low conductance)	Old fashioned (aluminum with high conductance)
Performance ratings	Significantly exceeds industry standards	Meets industry standards
Balance system	3/4" stainless steel, constant-force	Block and tackle or spiral
Hardware/lock	Custom-designed; color-matched to vinyl profiles	Off-the-shelf; color does not match vinyl profiles
Styling/design	Engineered for a balance of traditional looks and functionality	Engineered for functionality
Warranty period	Lifetime	10 to 20 years



The classic styling of Bryn Mawr II windows complements home designs from traditional to contemporary.

Ordinary clad wood windows are an attempt by wood window manufacturers to provide the same benefits as the best vinyl windows. But the inside wood surfaces can warp, and demand painting, staining, and on-going maintenance. And in custom sizes to fit your window openings, clad-wood windows can be considerably more expensive than vinyl.

Bryn Mawr II windows are designed for value — the best possible quality for a competitive price. Every feature has been selected, tested, and refined for long-lasting performance, industry-leading thermal

efficiency, and extraordinary beauty. What's more, these windows are the product of a \$2.5 billion company that's been in business for 100 years, and has a national network of manufacturing locations.

Read on to learn more.

On the following pages, you'll find out what makes Bryn Mawr II windows the secure choice for value — day-to-day and for a lifetime. On every page, you'll see explanations of the specific engineering and design details that really make this window different from the rest.

Designed for the way you live today — with features that work for you.

Why your windows will operate easily — constantly!

Ordinary systems, like spiral or block-and-tackle balances, are based on simple wire-spiral springs. You've pulled on such springs for fun — the farther you stretch them, the harder they pull back. That's the changing tension you feel when you open and close most windows.

CertainTeed's balance system is different. It's based on a 3/4" wide stainless steel coil that applies a constant force. The tension never changes. So sashes lift and lower easily...and stay where you put them. They never sag. They never need adjusting.



Like a high quality retractable tape measure, the CertainTeed balance operates easily and exerts a steady pull — making sash operation easy.



With the experience of more than 18 million windows installed across the country, CertainTeed has designed Bryn Mawr II windows for the way you live today. Once they're in your home, you can use them — day after day, year after year — without a worry.

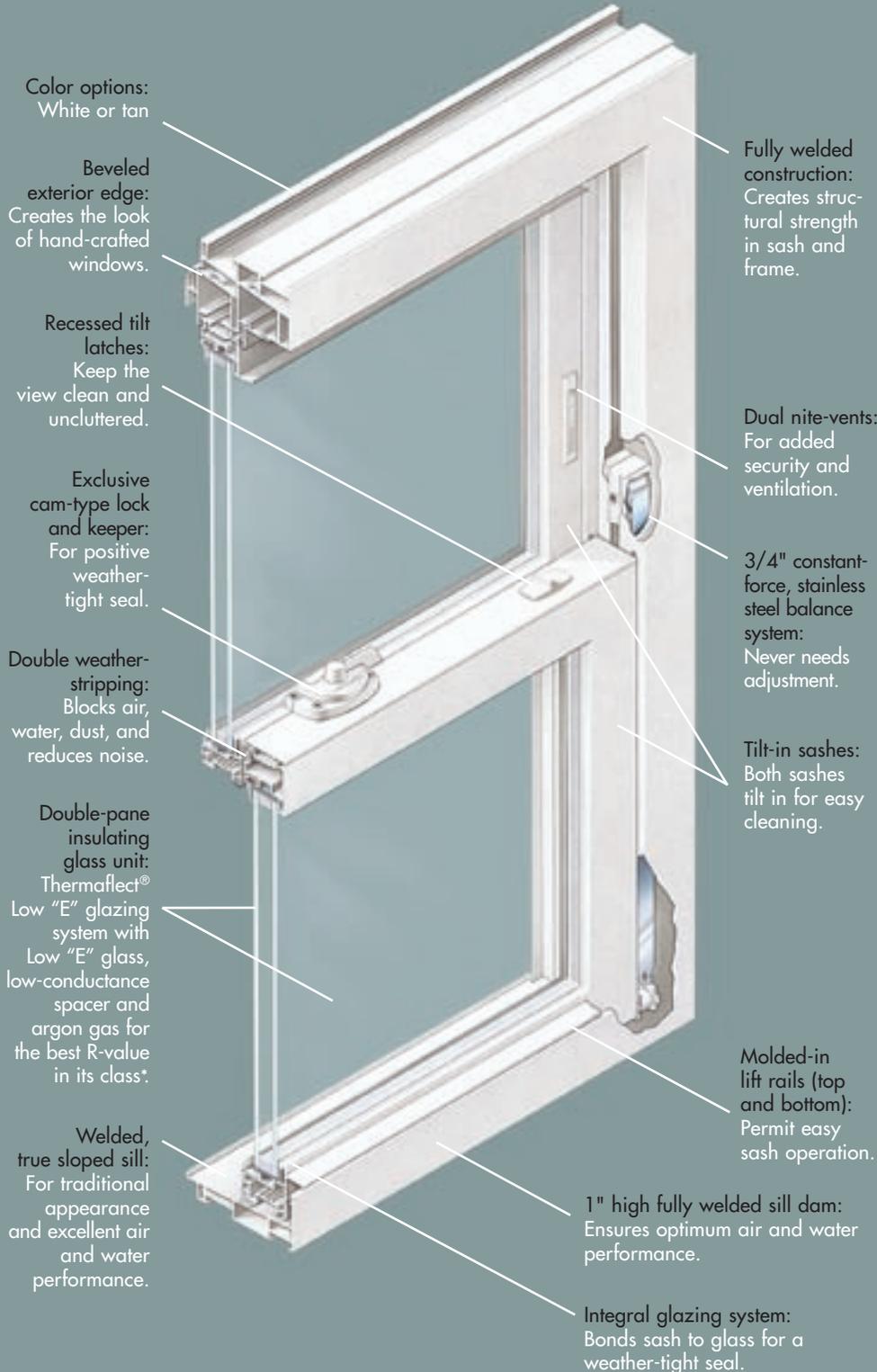
Solid vinyl construction and fully fusion-welded frames and sashes make them strong and structurally sound. Custom-designed hardware is made from non-corrosive metals or

UV-stabilized engineered plastics for durability. CertainTeed's unique balance system and tilt-in sash mechanisms are corrosion resistant and tested for decades of trouble-free operation.

Best of all, Bryn Mawr II windows are backed by one of the strongest warranties in the industry: lifetime limited protection including CertainTeed's five-year SureStart™ coverage for replacement materials and labor.

Manufactured from Certavin™, CertainTeed's exclusive vinyl formulation, Bryn Mawr II windows can withstand a lifetime of exposure — even to salt air — without corroding, peeling, chipping, or flaking.

Double-hung window features and benefits.



*Clear glass available as an option.

Practical features are designed into every Bryn Mawr II window.

Single-hung

- Made with a real upper sash for the same interior and exterior look as the double-hung style

Sliders

- Both sashes lift out for easy cleaning; for added security, they cannot be removed from the exterior
- Specially designed glide pads or rollers allow fingertip operation
- Sashes have equal-size glass for an appealing look
- Independent weep systems on inner and outer track for excellent drainage

Casements

- Special hinges open a full 90 degrees for maximum ventilation and easy cleaning
- High-quality operating hardware has E-Gard® coating for corrosion protection
- Multi-point lock and dual compression seal for extra security and weather-tight closure

Bays and bows

- Available as 10° casement bows, and 30° and 45° bays with double-hung, single-hung, casement, and/or fixed windows
- Headboard and seatboard insulated with vinyl-backed foam core to retard moisture and enhance comfort
- Stainable, paintable birch headboard and seatboard

Proven to keep you more comfortable and help save you money — wherever you live.

Why our advanced engineering beats the worst weather.

■ Air spaces in sash and frame (1) and double wall profiles (2) add insulation and strength.

■ Double-pane, argon-filled unit (3) with Thermafect® Low “E” glass and a low-conductance spacer (4) delivers the best U-value in its class; the glass is bonded to the sash (5) and made weather-tight with a rigid glazing bead featuring a flexible lip (6).

■ A true sloped sill (7) with a 1-inch welded sill dam (8); a rubber gasket seal at the sill (9); and silicone-treated, high-density-pile double weatherstripping with a mylar fin (10) help keep your home draft-free.



From the constant drizzle of the Northwest, to the frigid winds and dramatic winter storms of Maine, to the sun and swelter of the Gulf Coast, CertainTeed windows have endured the worst. That means you can relax and stay comfortable, wherever you are.

For comfort.

Bryn Mawr II windows have been extensively tested to resist air and water infiltration nearly 100% better than minimum AAMA/WDMA standards. But that’s just the start. They also resist condensation — with a condensation resistance factor (CRF) that’s almost twice the AAMA standard. And they even reduce noise — with a sound transmission rating (STC) that’s better than a 4-inch cinder block wall.

For thermal efficiency.

To help save energy costs in both the heating and cooling seasons, Bryn Mawr II windows are glazed with CertainTeed’s proprietary Thermafect® Low “E” glass. A special coating — two microscopic layers of silver versus one



Bryn Mawr II windows are laboratory tested to ensure resistance to air and water infiltration — even under extreme conditions.

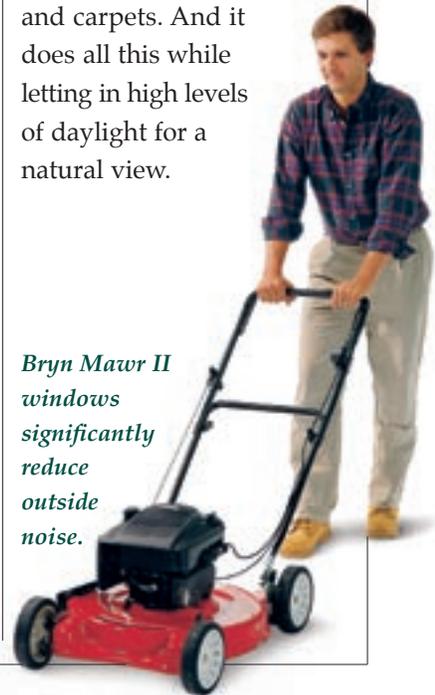
on ordinary Low “E” — gives it additional sensitivity that scientifically selects the most beneficial wavelengths of light and heat and blocks the others.

A highly effective system is created when Thermafect is combined with a low-conductance spacer and argon gas. The low-conductance spacer reduces the loss of heat through the edges of the glass unit, while the argon gas, which is added between the panes, increases the insulation value of the double-pane unit.

Thermafect has the best R-value in its class to help save energy in cold weather.

It also significantly reduces unwanted heat in warm weather. It blocks 84% of the ultraviolet rays that can fade and damage fabrics and carpets. And it does all this while letting in high levels of daylight for a natural view.

Bryn Mawr II windows significantly reduce outside noise.



Bryn Mawr II windows with the Thermaflex® Low “E” glazing system offer industry-leading thermal performance.

Glazing Type	Total Unit U-Values ¹							Center of Glass U-Value ³	Daylight Transmittance ⁴	UV Block ^{4,5}	Solar Heat Gain Coefficient ⁶
	Single-Hung	Double-Hung	Single-Slider	Double-Slider	Picture	Casement	Awning				
Standard Double-Pane	0.48	0.46	0.48	0.48	0.49	0.51	0.51	0.49	82%	43%	0.58
Thermaflex® with Argon and Low-Conductance Spacer ²	0.31	0.31	0.31	0.31	0.30	0.34	0.35	0.24	71%	84%	0.29

¹Casement and awning tested to NFRC 100-97. All others tested to NFRC 100-2001. Data applicable for double-pane insulating units using either double-strength glass with 1/2" air space or single-strength glass with 9/16" air space.

Window Style	Size
Single-Hung	47" x 59"
Double-Hung	47" x 59"
Slider	59" x 47"
Picture	47" x 59"
Casement	24" x 48"
Awning	48" x 24"

²Low-conductance spacer used in these tests was TruSeal's Swiggle® Seal.

³Center of glass U-Values supplied by glass manufacturers.

⁴Calculations have been performed using the Lawrence Berkeley Laboratories Window 4.1 computer program and a 3/4" insulating unit.

⁵Based on UV transmission from 300 to 380 nm.

⁶Solar Heat Gain Coefficient (SHGC) for a 47" x 59" double-hung tested in accordance with NFRC 100-2001. Solar Heat Gain Coefficient varies by style, glazing system, and presence of grids. All Bryn Mawr II™ windows with the Thermaflex glazing system have a SHGC less than .40.

Glossary of performance terms.

■ **Low “E”:** Low-emissivity glass is coated with a microscopically thin metallic layer that allows visible light to pass through, while blocking ultraviolet and infrared solar energy and reflecting away long-wave room-side heat energy. Different types of Low “E” coatings offer varying levels of performance for each of these tasks.

■ **U-Value:** The rate of heat flow through a glazing system; the lower the value, the better the insulating quality. U-value can be compared to R-value by dividing

1 by the U-value. (Thus, a U-value of 0.5 equals an R-value of 2.)

■ **Daylight Transmittance:** Measures the amount of visible light that is transmitted through the glass.

■ **UV Block:** Measures the amount of damaging ultraviolet light that is blocked from being transmitted through the glass.

■ **Solar Heat Gain Coefficient:** The amount of direct solar radiation that enters through the glass into the home as heat. The smaller the number, the better the glazing is at preventing solar heat gain.

How much money can Thermaflex® save you?

Whether your winters are snowy and long, or the sun rides high every day, Thermaflex's balanced performance can help reduce the cost of keeping your home comfortable. The map shows the calculated savings in energy costs for an average home in which the windows have been changed from aluminum windows with single-pane glass to vinyl windows with the Thermaflex® glazing system.



These calculations are based on a 2400 ft² two-story frame house, with 432 ft² of window area, R-19 walls, R-30 roof and equal distribution of glazing in the four cardinal directions.

Styling to keep your home looking beautiful — year after year.

Why cleaning is so quick and easy.

While some new clad-wood windows tilt in for cleaning from inside, most use a “compression jamb” system. You must push out at the jamb while simultaneously pulling the sash towards you and down.

With Bryn Mawr II windows, it’s much easier. To tilt in the double-hung, all you have to do is push the spring-loaded tilt latches with your thumbs to release the sash.

All Bryn Mawr II operating sash styles have been designed for easy access from inside. Both double-hung sashes and the operable single-hung sash tilt in, both slider sashes lift out, and casement sashes open a full 90 degrees.



These are the windows of a lifetime. Their beauty is classic — every detail reveals the hallmarks of traditional craftsmanship.

Sloped sills create the look of wood windows on the exterior. Inside, you can see that upper and lower lites are equal width for a pleasing look, while the lines are slim and stay sleek because we have refined the hardware to make it part of the design. Tilt latches are concealed. The lift rails on double-hungs and the pull bars on sliders are molded as a continuous part of the

sash. The CertainTeed signature lock and other hardware are color-matched exactly to the vinyl sash and frame for a clean appearance.

Select white or tan frames and sashes to match your decor. Choose from full or half screens that can be installed and removed from inside.

And, of course, your Bryn Mawr II windows will always look good, with virtually no maintenance from you. Solid vinyl construction means no scraping, puttying, or painting — ever. In fact, even after decades, a quick wash with

soapy water will make sashes and frames look new.

The styles you want.

A complete range of styles gives you all the choices you need — from single-hung, double-hung, slider, casement and awning, to picture windows, bays and bows, combinations and window walls, plus geometric and custom shapes.



Bryn Mawr II windows are available in white or tan vinyl.



Double-hung and transom windows give a room an added brightness and height.



Slider windows are an excellent selection when space is at a premium.



Picture windows are a highly cost-effective way to add light to a room.



Casement windows offer trim lines and a wide viewing area with maximum ventilation.



Bay windows, shown here with casement (sides) and fixed (center) windows, add architectural interest, plenty of light, and real spaciousness.



Combination windows — this one is a picture window flanked by double-hungs and topped by a half-round — dramatically emphasize architectural space.



Window walls, like this one made from picture windows and transoms, open a room to the beauty of the outside.



Geometric windows can replace the unique styles in a historic house, or can be added to create interest in a plain wall.

Custom-made replacement windows for an exact fit — and a perfect look.

Why details make a difference.

You can give your Bryn Mawr II windows a whole different character just by adding grids.

CertainTeed offers two styles of grids to create the look of traditionally crafted windows with divided lites. For easy cleaning, both styles of grids are installed between the panes of glass in the insulating glazing unit.

Flat grids present a clean outline for the impression of divided lites from across the room or across the street.

Sculptured grids have a three-dimensional design suggesting the details of historic wood muntins — up close.

Both are color-matched to the white or tan vinyl of your windows.



Choose from sculptured (top) or flat (bottom) grids between the glass.

Many national brands of windows are available only in standard sizes, but your Bryn Mawr II windows will be individually measured and custom-manufactured to fit your window openings exactly. That means your windows can be replaced with no unsightly filling or patching.

This kind of exact replacement means the work usually won't even disturb your wallpaper or trim. And it can be done any time of year.

Also, with custom windows, your imagination is the only real limit — if you



With custom-made Bryn Mawr II windows, you can have all the thermal-efficiency and low-maintenance advantages of new windows, but keep the traditional look of your home unchanged. Or you can create a whole new look.

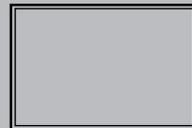
can picture a unique shape or combination, chances are CertainTeed can make it. We've even developed a special structural mullion

that lets you create larger combinations and window walls with excellent structural strength.

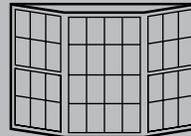
Nine ways to change a window... and a room.

When you take out an old window, you can help your home reach its highest potential.

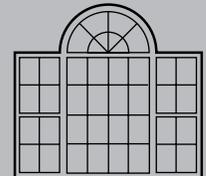
Bryn Mawr II windows give you a wide range of choices to consider for the same basic opening, so you can use your design sense to create a look that can transform your home.



Picture Window



Bay (double-hung/fixed/double-hung)



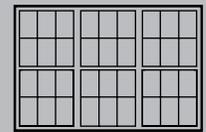
Double-hung/Fixed/Double-hung with Half-round



Slider



Casement/Fixed/Casement



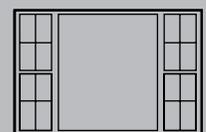
Triple Double-hung



3-Lite End-Vent Slider



Bow (casement/fixed/fixed/casement)



Double-hung/Fixed/Double-hung

Trust CertainTeed for lifetime quality and satisfaction.

You're making a big decision. But when you choose CertainTeed windows, you can have confidence that you're making an investment in value for the long term.

For a century, CertainTeed has been the name to trust in building products. The company name comes from the original motto, "Quality made *certain*, satisfaction *guaranteed*." Decade after decade, that philosophy has

guided the development of the company and its products. And it is controlling our plans for the future.

Committed to leadership in the industry.

CertainTeed is a long-standing leader in the building products industry, supplying roofing, vinyl and fiber-cement siding, fiber glass insulation, piping, fence, deck, and railing products, as well as vinyl windows.

For decades now, many of our products have been named the top choices of building professionals across the country.

Independent surveys of contractors have rated ours the number one vinyl window they use. Our customers trust us for quality, because of our commitment to superior performance, thermal efficiency, and styling.

Our vinyl windows began as a technological response to the energy crisis of the 1970s. And our commitment to research and development has been on-going. An

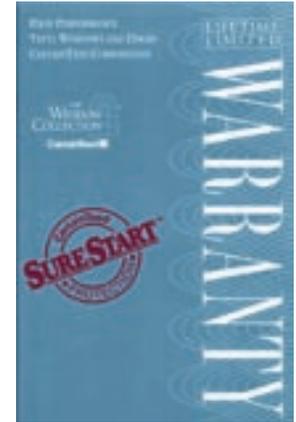
investment in a dedicated vinyl R&D center and yearly expenditures of more than \$3 million for research are keeping us at the forefront of window technology.

A nationwide network.

Your CertainTeed windows are backed by a network of 500 distributors, for fast delivery, responsive service, and support you can count on.

A warranty that backs up our commitment.

CertainTeed windows are backed by one of the strongest warranties in the industry. We offer a lifetime limited warranty that protects you against manufacturing defects for as long as you own your home. And our exclusive SureStart™ protection



covers 100 percent of the cost of materials and labor to repair or replace a defective window in the first five years following installation. That demonstrates CertainTeed's confidence. And it's your assurance of value now and in the future.



CertainTeed Corporation was founded in 1904, and has been a major force in the building products industry ever since.



The CertainTeed logo on the lock is your assurance of value for a lifetime. After all, the name CertainTeed comes from the company's motto, "Quality made certain, satisfaction guaranteed."

BrynMawr II™

W I N D O W S



CertainTeed. Leading in value since 1904.

CertainTeed has long stood for innovation and value in the building materials industry — today producing vinyl windows, roofing, vinyl and fibercement siding, fiber glass insulation, piping, fence, deck and railing products through facilities nationwide. Our commitment to the principles of “Quality made *certain*, satisfaction *guaranteed*” has made CertainTeed a name you can choose with confidence. Visit our website at www.certainteed.com.



Bryn Mawr II™ windows with the Thermafect® glazing system meet the ENERGY STAR® guidelines for thermal efficiency in all climate regions.

ASK ABOUT OUR OTHER CERTAINTEED PRODUCTS:

ROOFING • SIDING • WINDOWS • INSULATION • FENCE • DECKING • RAILING • FOUNDATIONS • PIPE

CertainTeed Corporation
P.O. Box 860
Valley Forge, PA 19482

Professional: 800-233-8990
Consumer: 800-782-8777
www.certainteed.com



CertainTeed