

CertainTeed

# BrynMawr II™ and NewCastle XT™

Impact Resistant Windows



**CertainTeed** 

*Quality made certain. Satisfaction guaranteed.™*

# Protection, Performance, Dependability

**I**t doesn't get much more extreme than firing a nine-pound two-by-four at a window at a speed of 50 feet/second — but that's the kind of impact CertainTeed Impact Resistant Windows are tested to resist.

Available as an option on select window styles, CertainTeed Impact Resistant Windows provide homeowners in coastal areas with a CertainTeed window that meets wind-borne debris testing standards of the



International Building Code, as well as ASTM E 1996 and ASTM E 1886 for impact resistance. While there are other window manufacturers with similar products, none can draw on the 25-year history of innovation in vinyl window design and construction of CertainTeed.

CertainTeed Impact Resistant Windows feature a Dupont Interlayer technology in the insulating glass units. When properly installed, testing shows, that upon impact from debris or wind, the laminated glass may crack, but the pieces adhere to the interlayer, keeping the glass intact within the frame.

The tilt latch on the single-hung window automatically retracts when re-tilting the sash back into the frame. Many other impact resistant windows do not have this feature, increasing the possibility of damage to the hardware, frame or sash.

## Protection from Debris

For people who live in areas subject to heavy weather, CertainTeed Impact Resistant Windows are a welcome alternative to unsightly and inconvenient plywood and storm shutters. But meeting the testing standards of the International Building Code isn't the only feature of this new product line:

## Sound dampening —

The combination of two lites, one laminated with

a Dupont interlayer, helps muffle annoying outside noise, such as traffic.

## UV protection —

Laminates screen out virtually all of the



sun's harmful ultra radiation, helping to reduce fading of drapes, carpets and furniture upholstery.

## History

Studies conducted in the wake of Hurricane Andrew showed that flying debris, rather than the wind itself, caused much of the damage. Once windows are broken and the building envelope is breached, changes in air pressure within the house can literally blow off the roof and knock down the walls.

After Hurricane Andrew, building codes in many coastal regions were

upgraded to require impact resistant window or shutter systems. It was natural for CertainTeed to step forward to produce a window to meet the wind-borne debris testing standards of the International Building Code.



Patent-Pending

After all, we've been leading the way since introducing the first nationally distributed line of vinyl windows in 1979.



# Reference Chart

Window Description	Maximum Size Tested	AAMA Performance Rating	Glass Type
Bryn Mawr II IR Casement	36" x 52"	R-50	SS exterior lite – SS/.090 /SS interior laminate
Bryn Mawr II IR Awning	48" x 30"	R-50	SS exterior lite – SS/.090 /SS interior laminate
Bryn Mawr II IR Single Hung	36" x 72"	R-50	SS exterior lite – SS/.090 /SS interior laminate
Bryn Mawr II IR Fixed Casements	72" x 72"	R-50	3/16" exterior lite – DS/.090 /DS interior laminate
Bryn Mawr II IR Picture Window	72" x 72"	R-50	3/16" exterior lite – DS/.090 /DS interior laminate
NewCastle XT IR Casement	36" x 52"	R-50	SS exterior lite – SS/.090 /SS interior laminate
NewCastle XT IR Awning	48" x 30"	R-50	SS exterior lite – SS/.090 /SS interior laminate
NewCastle XT IR Single Hung	36" x 72"	R-50	SS exterior lite – SS/.090 /SS interior laminate
NewCastle XT IR Fixed Casements	72" x 72"	R-50	3/16" exterior lite – DS/.090 /DS interior laminate
NewCastle XT IR Picture Window	72" x 72"	R-50	3/16" exterior lite – DS/.090 /DS interior laminate
NewCastle XT IR Double Hung	36" x 72"	R-50	SS exterior lite – SS/0.090 /SS interior laminate
Bryn Mawr II Double Hung	36" x 72"	R-50	SS exterior lite – SS/0.090 /SS interior laminate

All products are in compliance with AAMA101/IS.2 - 97, AAMA 506 -2000, ASTM E 1886 -04 and ASTM E 1996 -04 Wind Zone 3.

## Quality, Support and Value you can count on

**Y**ou're making a big decision. But when you choose CertainTeed windows and patio doors, you can have the 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.

### Performance Standards

Windows and patio doors are manufactured to strict CertainTeed quality standards. CertainTeed and its fabricators

**CERTIFIED ENERGY Performance**

Technical Information

Resistor	0.35	Solar Heat Gain Coefficient	0.34	U-factor	0.50
Non-Resistor	0.33		0.35		0.52

participate in the NFRC (National Fenestration Rating Council) Thermal Performance Rating Program. CertainTeed products are certified by AAMA/WDMA for air, water and structural performance. All certified products include compli-

ance with independent insulating glass seal integrity testing procedures.

### Website

At [www.certainteed.com](http://www.certainteed.com), you can find product information and technical data on all our windows and doors. Professionals are listed on our website after they successfully complete the Window Master Craftsman™ credential program. Plus, you can contact us via email with any questions you might have regarding our products, installation techniques or other matters.

**Call 800-233-8990 for Toll-free Professional Assistance**

Whether you need technical or product information, sales literature or other information, we can help.

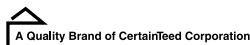


***CertainTeed. Leading in value since 1904.***

CertainTeed has long stood for innovation and value in the building materials industry — today producing vinyl windows, roofing, vinyl and fiber cement 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](http://www.certainteed.com).



**ASK ABOUT OUR OTHER CERTAINTEED PRODUCTS:**

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