





When it comes to your home, your life and your peace of mind, Variform vinyl siding makes every moment matter. Since 1964, professionals and homeowners alike have trusted Variform for its high quality, durability and beauty, earning it one of the highest satisfaction ratings in the industry.

You can choose from a wide array of styles and one of the largest color palettes in vinyl siding. It's virtually maintenance-free and never needs painting. Plus, Variform is endorsed by Ply Gem Residential Solutions, a division of Cornerstone Building Brands, the nation's leading exterior building products company. The Variform brand has products that make homes beautiful and life easier and offers an impressive limited lifetime transferable warranty.

It all adds up to give you a beautiful home and time to enjoy life's sweetest moments.

A close-up photograph of a young child wearing a grey knit beanie, blue and yellow gloves, and a vibrant green and blue striped winter jacket. The child is laughing joyfully with their eyes closed and hands near their face, surrounded by a soft, out-of-focus background of snow.

Because  
**life**  
happens



CLIMAFORCE™

ClimaForce™ siding does more than give your home the beautiful look and texture of wood siding. It adds a thick layer of insulation around your home to hold heat in winter and cool air in summer. And it not only will reduce your home energy costs, it adds a sound barrier to give you a quieter, more comfortable living environment. While providing all the no-maintenance benefits of other vinyl siding, ClimaForce is also three times more impact-resistant. A truly smart investment, ClimaForce looks beautiful and freshly painted for the life of your home. But it never needs painting, saving you thousands of dollars in maintenance as well as energy expenses, year after year. So while you might choose it for its beauty, it's also a wise investment.

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## Choose with Confidence

As a brand that has spanned generations of building and remodeling, Variform has always been defined by new and innovative ideas. The brand was the first to create variegated technology, a double-staggered nail hem, and a rollover locking leg that have resulted in a more dependable, durable and securely fastened siding panel, even in the face of high-velocity winds. We use only the best raw materials and continuously test our products to ensure a lifetime of reliable performance. We're as committed as ever to great products, so you can be confident you've chosen wisely.



*Pictured on cover: ClimaForce D5 Dutch Lap in Flint*



## The value of a high R-value

R-Value is the rating system used to grade insulation products or a material's insulating properties. The "R" stands for "resistance" and refers to a material's ability to resist heat flow. The higher the R-value of a product, the greater its insulating power.

### A higher R-value keeps your energy costs down.

Compared to other cladding options, siding your home with ClimaForce can boost the R-value\* of your exterior walls. The difference in lower heating and cooling costs adds up year after year.

\*R-value means resistance to heat flow. The higher the R-value the greater the insulating power. [http://www.icc-es.org/reports/pdf\\_files/NES/NER405.pdf](http://www.icc-es.org/reports/pdf_files/NES/NER405.pdf)

- = ClimaForce
- = Other



**D6**  
Traditional

2.8

**D7**  
Traditional

2.3

**D5**  
Dutch Lap

2.9

**D4**  
Traditional

2.4

Wood

0.5

5/16"  
Fiber Cement

0.15

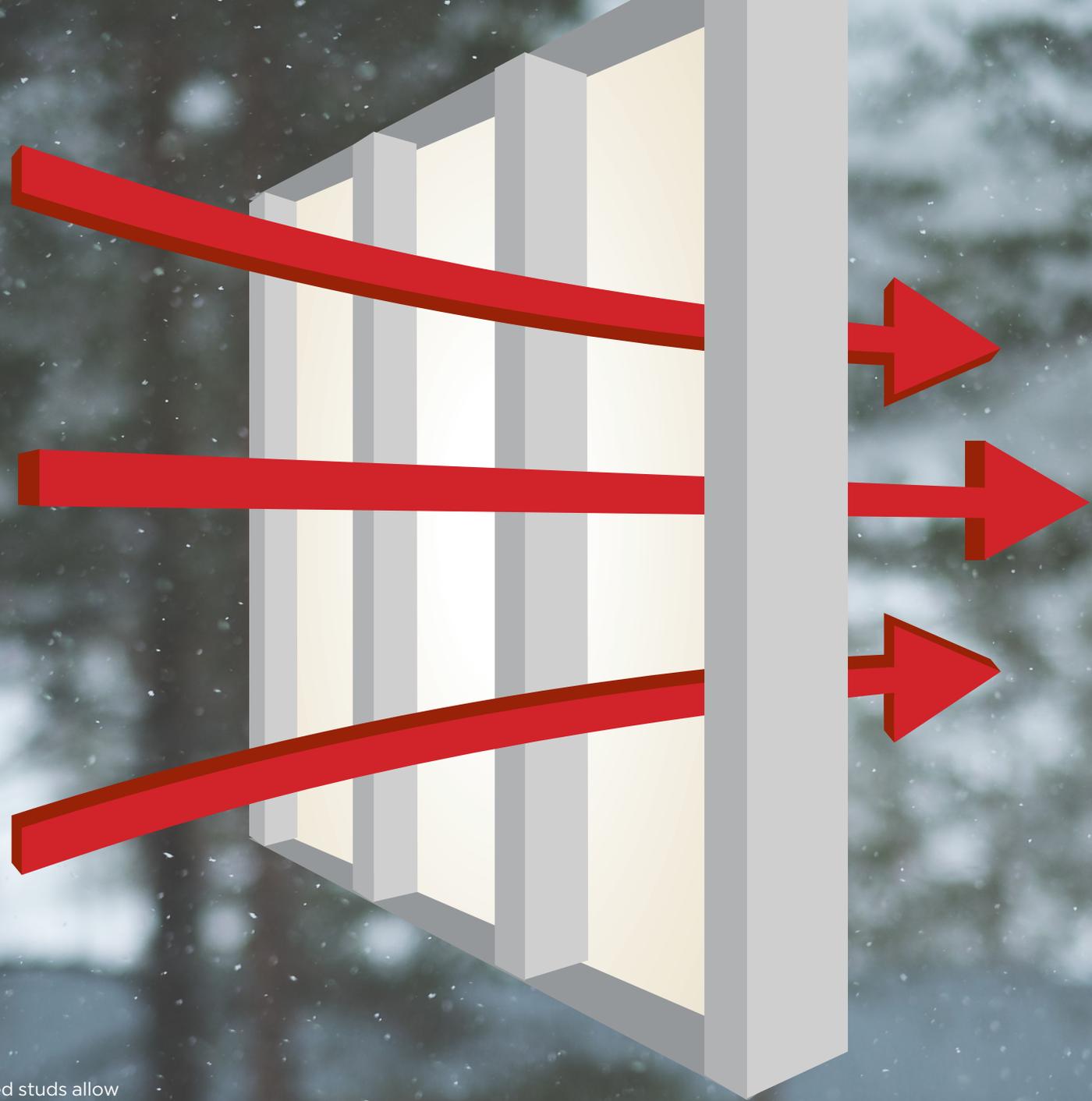
## Insulated ClimaForce siding prevents thermal bridging.

More than half the heat loss in a typical home comes from two sources:

1) **air infiltration** through gaps around windows, doors and the foundation and  
2) **wood framing**. The wood studs act as a “thermal bridge” for heat to escape.

ClimaForce reduces thermal bridging and covers gaps in your exterior walls with a continuous layer of insulation.

When properly installed, ClimaForce can help meet the performance guidelines of an ENERGY STAR® qualified home.



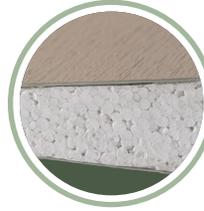
Studs make up to 13% of exterior walls. Uncovered studs allow heat to escape in winter and enter your home in summer.



WEATHER  
WARRIOR™

## The All-Weather Warrior

ClimaForce insulated vinyl siding features Weather Warrior™ Technology, a combination of innovative engineering and chemistry that provides superior performance in all weather conditions.



### Foam backing

- Keeps home warmer in winter and cooler in summer.
- Foam backing acts as a shock absorber for impact resistance.



### Color-through technology

- Color is embedded throughout the panel to resist fading.
- Nicks and scratches don't show.



### Spring-loaded profile

- Reverse-angle center lap design (D4, D5 DL, D6) acts like a spring to lock tighter under pressure for a stronger grip.



### Reinforced nail hem + locking system

- Roll-over (S7, D6) and curled (D4, D5 DL) nail hems help protect your home from high-velocity winds.
- Standard Wind Load Design Pressure (DP) 68.9 PSF\*
- Wind Velocity 170 mph\*\*
- Allows panels to expand and contract with changes in temperature.
- Five-layer attachment points lock panels securely together.
- Roll-over locking leg (D4, D5 DL) on bottom of panel adds stability.





## The benefits of DuraCore™

ClimaForce siding is engineered inside and out to give your house a higher degree of protection from UV, extreme temperatures, impact, moisture and soaring energy costs.

### Capstock

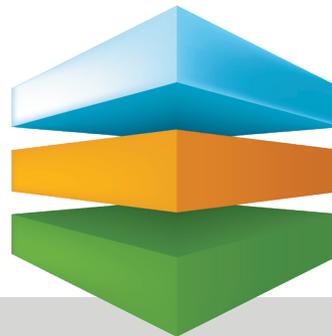
Advanced formulation resists fading and weathering.

### Substrate

Sturdy co-extruded layer with color-through technology ensures that color is embedded throughout the panel for long lasting beauty.

### Insulation

Expanded polystyrene (EPS) foam backing increases R-value of exterior walls, muffles outside noise and provides greater impact resistance.



## ClimaForce has 3X the impact-resistance of regular vinyl siding

Foam backing acts like a shock absorber.

Force of impact

ClimaForce = 160 - 300 PSI

Regular Vinyl Siding = 60 - 90 PSI

Insulation layers

1x

2x

3X

## Sustainable Building, Responsible Living

We're committed to reducing our impact on the environment and providing products that help ensure a sustainable future.

### Sustainable Resources

- Vinyl products made from abundant natural resources<sup>1</sup>
- Minimal construction site waste
- Aluminum products contain over 80% recycled content
- Ply Gem facilities reuse and recycle

### Energy Efficiency

- Vinyl siding requires less energy to manufacture than brick<sup>2</sup>
- National distribution network reduces energy use and emissions
- Variform insulated siding increases a home's energy efficiency

### Lifecycle Benefits

- Variform vinyl siding is durable and requires no site finish
- Vinyl siding should never require painting or staining
- All of our aluminum accessories are easily recyclable

<sup>1</sup>Example wind velocity for 68.9 PSF is 170 MPH Zone B @ 30' building height.

<sup>\*\*</sup>Tested in accordance with ASTM D5206. Wind speed rating will vary depending on specific code region and construction method. Refer to local building codes for detailed requirements concerning allowable wind loads and specified conversion tables for actual wind speeds.

<sup>10</sup>A Dozen Things You Might Not Know That Make Vinyl Siding Green," page 9, Tad Radzinski, P.E., LEED AP, and VSI. October 10, 2009. <<http://www.vinylsiding.org/greenpaper/>>

<sup>2</sup>Ibid, page 10.



**Home Innovation**  
NGBS GREEN PARTNER™

RESOURCE EFFICIENCY

**THIS PRODUCT HAS BEEN CERTIFIED BY HOME INNOVATION RESEARCH LABS.**

This means you can be assured that this product complies with specific green practice criteria in the National Green Building Standard (NGBS). Visit [HomeInnovation.com/GreenProducts](http://HomeInnovation.com/GreenProducts) for more details.



**D4**

**Traditional**



**D5**

**Dutch Lap**



**TRU-LAP™**

## **The look of woodwork without the work of wood**

There's no denying that traditional wood siding is attractive. It's also expensive, requires painting every few years and is prone to rot and insect damage. ClimaForce™ insulated vinyl siding looks and feels like solid wood, but costs less to install and never needs painting.

## **Curb appeal that's appealing up close**

- Traditional split-birch woodgrain texture.
- Deep panel projection casts dramatic shadow lines.
- Available in a broad choice of colors, including darker shades.



**D6**  
Traditional



**S7**  
Traditional

## A “sound” investment

ClimaForce not only insulates a home thermally, it also adds a substantial barrier to unwanted noise. The result is a quieter, more comfortable living space.

## A sturdier siding

- Foam backing allows for wider, more attractive panels.
- Thicker panels help flatten uneven wall surfaces.
- Fully supported panels are solid to the touch.



**Colors that look freshly painted, year after year.**

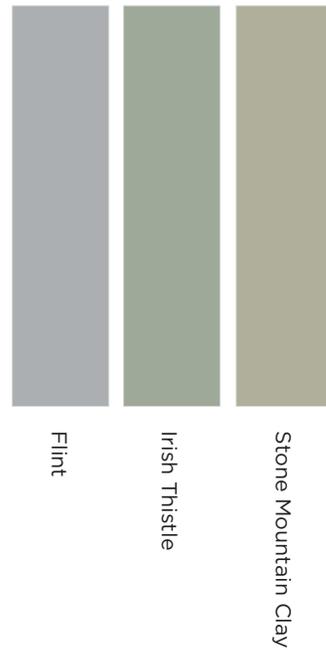
**Variform gives you a full spectrum of choices to express your individual style beautifully.** Each color starts with the highest quality pigments blended throughout the panel to ensure consistent color that stands up to everyday dings and scratches.

**Light or dark, bold or subtle, Variform colors will add lasting appeal to your home.** No painting is ever needed. In addition to our own strict quality controls, they've been third-party tested to meet or exceed ASTM standards for color retention.

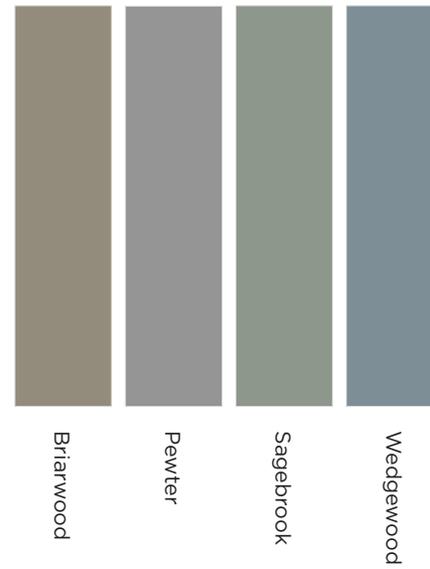
**Standard Colors**



**Dark Colors**



**Premium Dark Colors**



**Premium Color Collection**

These rich, dark colors receive an extra layer of UV protection. Permahu® technology acts like a sunscreen to help prevent fading and weathering.



\*Simulation. Fading comparison is based on color tests performed on actual siding samples.



## An investment that grows more attractive every year

One of the most attractive features of our insulated vinyl siding is that you never have to paint it. That's a benefit that adds up over time. (If you spend \$4,000 painting your home every five years, that's \$12,000 in savings over 15 years). Add the amount you'll save on heating and cooling your home and ClimaForce offers even better value. Not to mention a better quality of life.

### A healthier home

- Breathable foam backing allows water vapor inside your home to escape.
- Helps prevent mold and moisture problems in exterior walls.
- Foam backing is treated with a systemic insecticide to protect your home from termites and carpenter ants.

### A comfortable lifestyle

- Never needs painting.
- Increased comfort and quiet.
- Limited Lifetime Transferable Warranty protects your investment even if you sell your home.

### Perm rating of 5

ClimaForce is the most breathable insulated vinyl siding available.



## Details, details, details.

The Variform brand has all the accessories and details you need to complete your project, including corners, trim, guttering, soffits, door surrounds and fascia. The Variform brand is endorsed by Ply Gem Residential Solutions, a division of Cornerstone Building Brands, the nation's leading exterior building products company. As a result, we can provide you with a wide range of enhancements that complement Variform products - Ply Gem gutter protection, Ply Gem Steel Siding, Ply Gem Trim and Mouldings, and Ply Gem Shutters and Accents. They all work together so that you can have worry-free maintenance and beauty down to the last detail.

Visit [variform.com](http://variform.com) to design your dream home.

2600 Grand Blvd., Suite 900, Kansas City, MO 64108  
 (888) 9PLYGEM | [variform.com](http://variform.com)



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\*Consult the VSI Website at [vinylsiding.org](http://vinylsiding.org) for current list of certified products and colors.



Vinyl Siding and Accent Panels



Gutter Protection



Rainware, Fascia, Soffit



Ply Gem Fence and Railing



Ply Gem Steel Siding



Ply Gem Shutters and Accents