

# BUILDING TO MAKE A DIFFERENCE.

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HOW VARIFORM CAN HELP YOU  
MEET YOUR SUSTAINABLE GOALS



### BUILDING TO MAKE A DIFFERENCE.

Variform by Ply Gem has always been building towards the future.

For more than 45 years, builders, architects, and consumers have chosen Variform vinyl siding and accessories, metal accessories, injection molded siding, Ply Gem Shutters and Accents, and Ply Gem Stone. They have come to rely on our brand to provide products that are durable, low-maintenance, and offer improved energy efficiency.

Today, people also select Variform products to help them meet their sustainable building goals. Our wide selection of exterior building products include features that positively contribute to sustainable building practices, improved energy efficiency, or lifecycle benefits of homes. And as a part of Ply Gem, a leader in the building products industry, Variform offers support, service, powerful sales tools, and national distribution — everything needed to make your next project your best project.

Whether you're looking to lessen your carbon footprint, gain points towards green certification, or simply choose durable products that have a lighter impact on the environment, Variform has products that can support your needs.

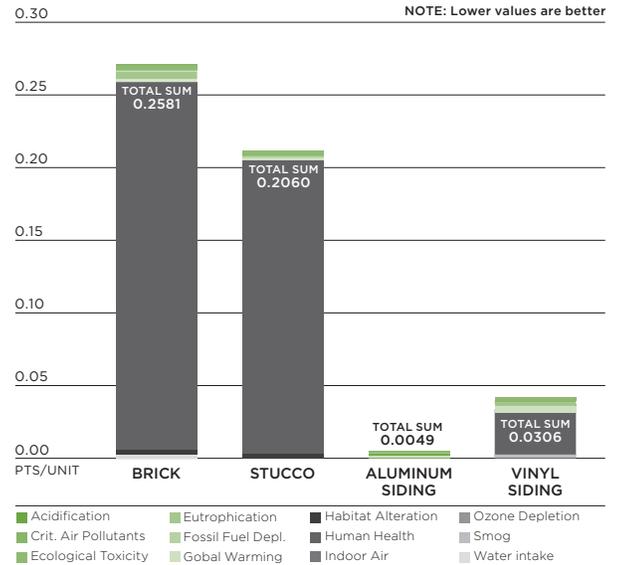
### VINYL SIDING, SOFFIT AND ACCESSORIES

Vinyl siding combines great product performance with superior environmental performance. From the way it is manufactured to its durability and longer lifecycle, vinyl siding is a smart, sustainable solution. It requires less energy to transport because it's lighter; it doesn't require on-site finish with paint or stain; it generates less scrap in manufacturing and at the job site; and it is quick and easy to install.

In fact, vinyl siding outperforms other exterior cladding when its environmental performance is measured along its lifecycle. The following graph was produced by the green building consultants Sustainable Solutions Corporation using Building for Environmental and Economic Sustainability (BEES<sup>®</sup>) software, and includes the effects of all lifecycle stages, including raw material acquisition, manufacture, transportation, installation, use, and waste management.<sup>1</sup>

Variform offers a full line of vinyl siding and soffit products that meet — and in most cases exceed — the performance requirements for weatherability, windload, impact resistance, and color retention set forth by the VSI Product Certification Program.

### ENVIRONMENTAL PERFORMANCE<sup>2</sup>



### OUR VINYL SIDING AND SOFFIT PRODUCTS:

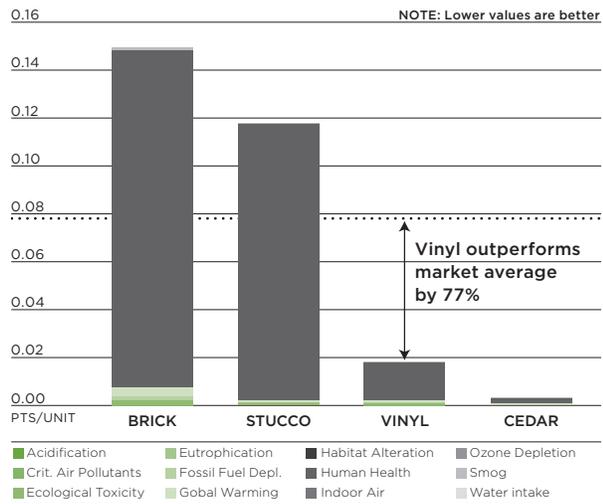
- **Are manufactured using fewer resources than other cladding options.** Vinyl siding is made from two abundant natural resources: salt (57%) and natural gas (43%).<sup>3</sup>
- **Are made to last.** Variform siding is engineered for color retention, impact resistance, windload, and weather-ability, all of which significantly increase a home's lifecycle benefits.
- **Can decrease a home's energy needs.** Variform ClimaForce™ insulated siding reduces the impact of thermal bridging by providing a continuous blanket of insulation over the exposed wall studs, increasing the wall system's R-value or thermal resistance. Thermal imaging studies conducted by Newport Ventures<sup>4</sup> compared the insulating properties of insulated siding and fiber cement. The study showed that insulated siding reduces heat loss along exterior walls significantly, particularly at the wall studs. Fiber cement panels offered little to no protection against such heat loss, showing insulated siding was the more effective insulator.
- **Are manufactured with almost zero waste.** All post-product scrap material is reclaimed either into siding or into alternate uses like pipe.
- **Generates less waste than other exterior cladding when installed.** National Association of Home Builders (NAHB) construction estimates show that vinyl scrap rates are less than 1.9 percent of total construction waste.<sup>5</sup>

**PRODUCTS AVAILABLE FROM VARIFORM AND PLY GEM THAT CAN HELP MEET YOUR SUSTAINABLE GOALS**



- **Contain no silica dust.** Our vinyl siding does not contain silica dust, a material found in some fiber cement products that may potentially cause adverse health effects such as silicosis. In fact, vinyl siding does not use any materials that can cause adverse health effects to installers — or to anyone.<sup>6</sup>
- **Increase a home's energy efficiency.** Our Trivent® High Performance soffit with X-Tra® Vent offers 9.19 square inches of ventilation per square foot. This superior ventilation helps lower energy costs by keeping attic areas cool and minimizing heat transfer from the roof. In colder weather, it helps keep air circulating, which prevents the formation of damaging ice dams.
- **Earns a better environmental performance score than brick or stucco.** A 100% environmental lifecycle analysis was conducted using BEES® software. It showed that standard vinyl siding outperformed the market average by 77 percent.<sup>7</sup>

**ENVIRONMENTAL PERFORMANCE OF SIDING ALTERNATIVES\***



## METAL, SOFFIT AND ACCESSORIES

Like our vinyl products, Variform aluminum soffit and accessories provide builders, architects, and homeowners with products that can help them meet their sustainable building goals.

### OUR METALS PRODUCTS:

- **Use fewer limited resources.** Variform aluminum products are made from an alloy that contains approximately 33% pre-consumer recycled content and 54% post-consumer recycled content.
- **Are recyclable.** All Variform aluminum accessories are easily recyclable. In fact, at the end of their lifecycle in building applications 100% of the aluminum can be recycled.
- **Are manufactured efficiently.** Our products are coated during manufacturing at approximately one-third the thickness of field-finished alternatives, creating a superior, durable finish that uses less material.
- **Are durable — and use fewer solvents.** Our products use a water-based acrylic coating that offers longer durability and has a significantly lower solvent content than alternative coating systems.
- **Reduce air pollution.** Recycled aluminum, like the kind used in our metal products, reduces air pollution by CO<sub>2</sub>, SO<sub>x</sub> and NO<sub>x</sub> by 95%, and reduces water pollution by 97%.<sup>3</sup>
- **Reduce the use of VOCs.** When installed properly and under normal use, our metal siding, soffit, rainware, and accessories never need painting or staining — so harmful VOCs aren't released into the atmosphere.
- **Are safe to use.** Our metal products do not contain materials that can cause adverse health effects to installers or to you.
- **Extend the life of roofs and fascias.** Our aluminum drip edge, rainware, and guttering systems can assist with roof rainwater management and, as a result, help extend the life of a roof.
- **Increase a home's energy efficiency.** Our perforated metal soffit provides ventilation that helps keep attic areas cool in warm weather and minimizes heat transfer, resulting in lower energy costs. In cold weather, it helps keep air circulating, which prevents the formation of ice dams.
- **GreenCircle Certified.** Variform aluminum products have been subjected to a recycled content analysis from an independent third-party, GreenCircle Certified. GreenCircle Certified has verified and certified the recycled content product claims made by Variform.



## INJECTION MOLDED SIDING AND PLY GEM SHUTTERS AND ACCENTS

Finishing a project doesn't mean compromising on sustainability. Variform injection molded siding products — hand-split and perfection shingle, and round cut siding — and Ply Gem Shutters and Accents are sustainable, too. They offer enhanced durability, longer lifecycle and superior color retention, which eliminates the need to paint or stain.

Variform's injected molded siding products meet the performance requirements for weatherability, windload and impact resistance set forth by the VSI Product Certification Program.

### Our injection molded products are:

- **Lighter weight than alternatives.** Lighter products require less fuel to transport, which uses fewer resources and generates less pollution.
- **Efficient to install.** Because they're functionally designed, they don't generate installation waste.
- **Durable — and reduce airborne VOCs.** When installed properly and used normally, our designer accents never require painting or staining, reducing VOCs released into the atmosphere.

## SUSTAINABILITY TAKES GOOD PRACTICE — OUR PRODUCTS ARE JUST THE START

- Variform is a part of the Ply Gem Enviro Initiative, which articulates our corporate commitment to developing systems that reduce our overall corporate environmental impact.
- Ply Gem supports a system-wide policy to reuse and recycle pallets and packaging material, which reduces our raw material needs and landfill use.
- An on-site ultra filtration system was installed in one Ply Gem facility that prevents as much as 80,000 gallons of waste from entering landfills each year.
- One Ply Gem facility reduced its use of city water sources by constructing a 3,000,000 gallon retention pond to capture storm water runoff for use in manufacturing.
- Ply Gem conserves energy by doing simple things, like turning out lights in our offices and facilities on weekends and during shutdowns.
- Ply Gem and its brands work with suppliers to recycle as many materials as possible, including cores, cardboard padding, paint totes, batteries, light bulbs, toner, and paper.

## GETTING TO KNOW GREEN

Variform by Ply Gem isn't in this alone. Sustainability is complicated, and is best achieved within the context of quality building practices. The Environmental Protection Agency (EPA), the U.S. Green Building Council (USGBC), and the NAHB have developed sustainable "green" building guidelines and standards that have helped define sustainable building practices and guide the industry down the "green" path.

## WHAT IS THE EPA ENERGY STAR PROGRAM?

ENERGY STAR® is a joint program of the EPA and the US Department of Energy. It helps people save money and protect the environment by identifying and encouraging the use of energy efficient products and practices.



Products that display the ENERGY STAR® logo have met energy efficiency guidelines set by the program, and can help builders and homeowners identify products that reduce energy needs.

## OUR ROLE IN ENERGY STAR

The foam insulation used in our ClimaForce™ Insulated Vinyl Siding provides a continuous blanket of insulation over the exposed wall studs, increasing the wall system's R-value or thermal resistance. When properly installed, ClimaForce™ insulated siding can help meet the performance guidelines of an ENERGY STAR® qualified home.

## WHAT IS USGBC LEED?

LEED® is a third-party certification program created by the USGBC. LEED has developed specific standards for different project types — LEED® for Homes and LEED® for New Construction.

Each standard measures green building performance based on eight categories: site selection, water efficiency, materials and resources, energy and atmosphere, indoor environmental quality, location and linkages, awareness and education, and innovation.

LEED Certification provides builders, architects, and consumers with a framework for identifying and implementing practices that are sustainable.



## OUR ROLE IN LEED

Variform products support practices that can help builders earn points in several LEED categories.

### Recycled Content

Remodeling and new construction can put a strain on resources and increase waste. This LEED category takes into account the use of recycled materials in the building process. By using materials that are made with recycled content, you can earn LEED points. The aluminum alloy used in Variform metal accessories is made from approximately 90% recycled and reclaimed aluminum.

### Energy Efficiency

The Energy and Atmosphere credit rewards builders that demonstrate effective, energy efficient building strategies. When installed properly, ClimaForce™ Insulated Siding helps increase energy efficiency of a home's wall system.

### Environmentally Preferable Products

Vinyl siding options require fewer resources to maintain, releases fewer toxic chemicals and less dioxin, and has a longer lifecycle. It's because of these attributes that vinyl siding is considered an environmentally preferable product and may be eligible to receive LEED points in this category.

## WHAT ARE THE NAHB GREEN BUILDING STANDARDS?

In 2007, the NAHB and the International Code Council (ICC) worked together to establish a much-needed and nationally-recognized standard definition of what is meant by "Green Building."

A consensus committee was formed to develop the standard in compliance with the requirements of the American National Standards Institute (ANSI). The resulting ANSI approved ICC-700-2008 National Green Building Standard defines green building for single and multifamily homes, residential remodeling projects, and site development projects while still allowing for the flexibility required for regionally-appropriate best green practices.

Similar to the NAHB Model Green Home Building Guidelines, a builder, remodeler, or developer must incorporate a minimum number of features in the following areas: energy, water, resource efficiency, lot and site development, indoor environmental quality, and homeowner education.

## OUR ROLE IN NAHB

Variform can help builders, architects, and homeowners meet NAHB Green Building Standards and earn NAHB Green Building points in six key areas:

### No Site Finish

On-site finishing requires additional resources and can lead to an increase in pollutants. Variform products do not require on-site finishing.

### Termite Resistant Materials

Sustainability and durability go hand in hand. Variform products are manufactured to last. Our vinyl, metal, and injection molded products use termite-resistant materials. This helps contribute to an increased lifecycle and lower maintenance.

### Recycled Content

NAHB Green Building points are available to builders who choose materials made with recycled content. Variform metal products are made from aluminum with as much as 90% recycled content.

### Lifecycle Analysis

The NAHB rewards builders that select durable products. Variform vinyl siding, aluminum, and designer accents are designed to withstand the weather season after season, and they won't rot or degrade like products made from wood.

### Energy Efficiency

Builders may earn NAHB Green Building points by using products that increase a home's energy efficiency. When installed properly, Variform's insulated vinyl siding can help create an improved building envelope and increase the overall energy efficiency of the wall system.

### Drip Edge is Installed at Eaves and Gable Roof Edges

NAHB Green Building points are available to builders that install drip edge. An effective drip edge, like those available from Variform, helps extend the life of roofs and fascias by minimizing water damage and weathering.

### Roof Water Discharge

Durable, weather-resistant rainware and guttering systems help extend the life of a roof. Builders may receive NAHB Green Building points by installing rainwater systems — like those available from Variform — that properly manage and route the rainwater away from the building.

## Can Products be Green Approved?



The NAHB Research Center has created NAHB Research Center National Green Building Certification. According to the NAHB, "A product bearing the NAHB Research Center Green Approved mark is not certified as being 'green.' Rather, the product has been approved as eligible for earning points under the National Green Building Standard toward green certification of a building if the product is used in a qualifying way (for example, in sufficient quantity or under certain conditions as noted in the Certificate). Many criteria in the National Green Building Standard" require the use of products with certain attributes. The Research Center has verified that products bearing the NAHB Research Center Green Approved mark do indeed have such attributes."<sup>1</sup>

Under this program, Ply Gem has secured Certificates for many of the products they manufacture, including Variform vinyl siding and soffit; aluminum siding, soffit, fascia, trim coil, drip edge, and gutter and downspout; and injection molded shingle and round-cut siding. The certificates are available for review at [www.variform.com](http://www.variform.com).

Only products that have earned Certificates from the NAHB Research Center can display the NAHB "Green Approved" logo. This means you can be assured that product complies with specific green practice criteria in the National Green Building Standard. See the product listing on [www.GreenApprovedProducts.com](http://www.GreenApprovedProducts.com) for more information.

## SUSTAINABLE FROM START TO FINISH.

Variform offers products that can help you meet your sustainable building goals.

Our rich product portfolio includes solutions for every sustainable project and every budget. Our high-quality vinyl siding and soffit; aluminum products; and Ply Gem Shutters and Accents are beautiful, durable, and low maintenance.

And these are qualities we share with every Ply Gem brand. In addition to quality exterior cladding solutions from brands like Variform, Ply Gem also offers energy-efficient, low-maintenance windows; fashionable and durable stone veneer; low-maintenance vinyl fence and vinyl and composite rail; and beautiful, durable exterior finishings like shutters and door surrounds.

Every building project impacts the environment. By choosing products from Variform, you choose products that can help you lessen the impact — and ensure that what you're building today also helps build tomorrow.

Variform products include features and third-party certifications that can help you make wise product choices. Endorsements by NAHB and GreenCircle Certified help you choose products that support your sustainable goals. And you can use Variform products to support practices that earn points towards LEED, NAHB, and other certifications.

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<sup>1</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 9

<sup>3</sup> Ibid, page 6

<sup>4</sup> "Case Study: Building Green with Insulated Vinyl Siding," pages 8-10. July 2, 2009. <<http://www.vinylsiding.org/aboutsiding/insulatedvinylsiding/index.asp>>

<sup>5</sup> "A Dozen Things You Might Not Know That Make Vinyl Siding Green," page 6, Tad Radzinski, P.E., LEED AP, and VSI. October 10, 2009. <<http://www.vinylsiding.org/greenpaper/>>

<sup>6</sup> Ibid, page 12

<sup>7</sup> "Case Study: Building Green with Insulated Vinyl Siding," page 5. July 2, 2009. <<http://www.vinylsiding.org/aboutsiding/insulatedvinylsiding/index.asp>>

<sup>8</sup> Ibid

<sup>9</sup> LEED Fact Sheet Aluminum Sheet & Plate for the Building and Construction Market. October 10, 2009. <<http://www.aluminum.org/Content/NavigationMenu/TheIndustry/SheetPlate/LEEDFactSheetForAluminuminBandC/default.htm>>

<sup>10</sup> Green Approved Products. October 20, 2009. <[http://www.nahbgreen.org/WholsGreen/home\\_greenapprovedproducts.aspx](http://www.nahbgreen.org/WholsGreen/home_greenapprovedproducts.aspx)>

NAHB	CLADDING			SOFFIT	
POINTS AVAILABLE	Premium Vinyl Siding	Insulated Vinyl Siding	Polymer Shake and Shingle	Vinyl Soffit	Aluminum Soffit
	Huntington Coast™ Vortex Extreme™ Camden Pointe* Board & Batten Victoria Harbor® Full Beaded Nottingham* Ashton Heights* Contractor's Choice*	ClimaForce™ Insulated Siding	Heritage Cedar® Hand-Split Shingle, Perfection Shingle and Round Cut Siding	Trivent® High Performance D5 Premium D5 Standard T4 Soffit Beaded Soffit & Porch Ceiling	Commercial Double 6" Commercial Quad 4" Commercial Triple 4" Durabuilt Double 6" Durabuilt Triple 4"

### NAHB STANDARDS

<b>601.7</b> Building materials or assemblies that do not require additional site-applied material for finishing	2 - 5	ALL 	ALL 	ALL 	ALL 	ALL 
<b>602.4</b> Drip edge is installed at eaves and gable roof edges	3					
<b>602.5</b> Gutter and downspout system is installed to carry water at least 5 feet away from perimeter foundation walls	4					
<b>602.8</b> Termite-resistant	2 - 6	ALL 	ALL 	ALL 	ALL	ALL 
<b>602.12</b> Flashing details are shown on plans and flashing is installed	4					
<b>604.1</b> Building materials with recycled content are used	1 - 6					ALL
<b>607.1</b> Products used contain fewer materials to meet the same end-use requirements as conventional products	3 for each material					
<b>608.1</b> Indigenous materials are used for major elements of the building	2 - 10	ALL	ALL	ALL	ALL	ALL
<b>609.1</b> Select the more environmentally preferable product or assembly	3-15	ALL			ALL	
<b>701.4.6</b> Fenestration, The NFRC certified U-factor and SHGC for windows, exterior doors, skylights, and tubular daylighting devices (TDDs) are in accordance with ENERGY STAR®, or equivalent	Mandatory					
<b>702.2</b> Energy efficiency features are implemented to achieve energy cost performance that exceeds IECC	30-120		ALL			
<b>703.1.1</b> Total building thermal envelope UA is less than required by Section 402.1.4 of the IECC	10 - 36 plus 15-45		ALL			
<b>703.1.2</b> Third-party graded insulation	15		ALL			
<b>703.3</b> The NFRC certified U-factor and SHGC for windows, exterior doors, skylights, and tubular daylighting devices are in accordance with Table 703.2.2(a) or (b)	5-14, depending on zone					

 Indicates products that have been certified by NAHB as eligible for points toward National Green Building Certification. Visit [www.GreenApprovedProducts.com](http://www.GreenApprovedProducts.com) for more details.



ACCESSORIES		ACCENTS	Available from other Ply Gem brands			NAHB	
Aluminum Rain Carrying	Aluminum Accessories	Leaf Protection	Ply Gem Shutters and Accents	Stone Veneer	Fence and Rail	Windows	POINTS AVAILABLE
Gutter Coil Rainware	Trim Coil Fascia Starter Strip Accessories Drip Edge	Leaf Relief <sup>®</sup> By Ply Gem	Shutters, Door Surround Systems, Mantel Systems, Window Mantels, Decorative Moldings, Corner Posts, Mounting Blocks, E-Z Block <sup>™</sup> Surface Mounts, Electrical Blocks, Utility Vents and Gable Vents	Ply Gem Stone	Ply Gem Fence and Railing	Ply Gem Windows	

**GA** Indicates products that have been certified by NAHB as eligible for points toward National Green Building Certification. Visit [www.GreenApprovedProducts.com](http://www.GreenApprovedProducts.com) for more details.

NAHB STANDARDS							
ALL	Fascia, Trim Coil, Accessories <b>GA</b>	ALL	ALL	ALL <b>GA</b>	ALL	ALL	2-5 <b>601.7</b> Building materials or assemblies that do not require additional site applied material for finishing
	Drip Edge <b>GA</b>						3 <b>602.4</b> Drip edge is installed at eaves and gable roof edges
ALL <b>GA</b>							4 <b>602.5</b> Gutter and downspout system is installed to carry water at least 5 feet away from perimeter foundation walls
ALL	Fascia, Trim Coil, Accessories <b>GA</b>	ALL	ALL	ALL <b>GA</b>	ALL	ALL	2-6 <b>602.8</b> Termite-resistant
	ALL					ALL	4 <b>602.12</b> Flashing details are shown on plans and flashing is installed
ALL	ALL	ALL			Composite Rail	ALL	1-6 <b>604.1</b> Building materials with recycled content are used
				ALL	Composite Rail	ALL	3 for each material <b>607.1</b> Products used contain fewer materials to meet the same end-use requirements as conventional products
ALL	ALL	ALL	ALL	ALL	ALL	ALL	2-10 <b>608.1</b> Indigenous materials are used for major elements of the building
							3-15 <b>609.1</b> Select the more environmentally preferable product or assembly
						ALL	Mandatory <b>701.4.6</b> Fenestration, The NFRC certified U-factor and SHGC for windows, exterior doors, skylights, and tubular daylighting devices (TDDs) are in accordance with ENERGY STAR <sup>®</sup> , or equivalent
						ALL	30-120 <b>702.2</b> Energy efficiency features are implemented to achieve energy cost performance that exceeds IECC
						ALL	10-36 plus 15-45 <b>703.1.1</b> Total building thermal envelope UA is less than required by Section 402.1.4 of the IECC
							15 <b>703.1.2</b> Third party graded Insulation
						ALL	5-14, depending on zone <b>703.3</b> The NFRC certified U-factor and SHGC for windows, exterior doors, skylights, and tubular daylighting devices are in accordance with Table 703.2.2(a) or (b)

LEED	CLADDING			SOFFIT	
POINTS AVAILABLE	Premium Vinyl Siding	Insulated Vinyl Siding	Polymer Shake and Shingle	Vinyl Soffit	Aluminum Soffit
	Huntington Coast™ Vortex Extreme™ Camden Pointe® Nottingham® Ashton Heights® Contractor's Choice® Board & Batten Victoria Harbor® Full Beaded	ClimaForce™ Insulated Siding	Heritage Cedar® Hand-Split Shingle, Perfection Shingle and Round Cut Siding	Trivent® High Performance D5 Premium D5 Standard T4 Soffit Beaded Soffit & Porch Ceiling	Commercial Double 6" Commercial Quad 4" Commercial Triple 4" Durabuilt Double 6" Durabuilt Triple 4"

### LEED HOMES

Energy & Atmosphere					
EA 1 Optimize Energy Performance	1 - 34		ALL		
EA 3 Air Infiltration	Max 3		ALL		
EA 4 Windows	Max 3				
Material and Resources					
MR 2 Environmentally Preferable Products	Max: 8				ALL
Indoor Environmental Quality					
EQ 1 ENERGY STAR® with Indoor Air Package	Max: 13				

### LEED NC COMMERCIAL

Energy & Atmosphere					
EA Prereq 2 Minimum Energy Performance					
EA 1 Optimize Energy Performance	1 - 10		ALL		
Material and Resources					
MR 4.1 Recycled Content, 10% (post-consumer + 1/2 pre-consumer)	1				ALL
MR 4.2 Recycled Content, 30% (post-consumer + 1/2 pre-consumer)	1				ALL
MR 5.1 Regional Materials, 10% Extracted, Processed & Manufactured Regionally	1	ALL	ALL	ALL	ALL
MR 5.2 Regional Materials, 20% Extracted, Processed & Manufactured Regionally	1	ALL	ALL	ALL	ALL
Indoor Environmental Quality					
EQ 2 Increased Ventilation	1 - 10				
EQ 8.1 Daylight & Views, Daylight 75% of Spaces	1				
EQ 8.1 Daylight & Views, Daylight 90% of Spaces	1				

# LEED HOMES & LEED NC COMMERCIAL



ACCESSORIES		ACCENTS	Available from other Ply Gem brands			LEED	
Aluminum Rain Carrying	Aluminum Accessories	Leaf Protection	Ply Gem Shutters and Accents	Stone Veneer	Fence and Rail	Windows	POINTS AVAILABLE
Gutter Coil Rainware	Trim Coil Fascia Starterstrip Accessories Drip Edge	Leaf Relief <sup>®</sup> By Ply Gem	Shutters, Door Surround Systems, Mantel Systems, Window Mantels, Decorative Moldings, Corner Posts, Mounting Blocks, E-Z Block <sup>™</sup> Surface Mounts, Electrical Blocks, Utility Vents and Gable Vents	Ply Gem Stone	Ply Gem Fence and Railing	Ply Gem Windows	
<b>LEED HOMES</b>							
<b>Energy &amp; Atmosphere</b>							
						ALL	1 - 34 <b>EA 1</b> Optimize Energy Performance
				ALL		ALL	Max 3 <b>EA 3</b> Air Infiltration
						ALL	Max 3 <b>EA 4</b> Windows
<b>Material and Resources</b>							
ALL	ALL	ALL		ALL	Composite Rail	ALL	Max: 8 <b>MR 2</b> Environmentally Preferable Products
<b>Indoor Environmental Quality</b>							
						ALL	Max: 13 <b>EQ 1</b> ENERGY STAR <sup>®</sup> with Indoor Air Package
<b>LEED NC COMMERCIAL</b>							
<b>Energy &amp; Atmosphere</b>							
						ALL	<b>EA Prereq 2</b> Minimum Energy Performance
						ALL	1 - 10 <b>EA 1</b> Optimize Energy Performance
<b>Material and Resources</b>							
						ALL	1 <b>MR 4.1</b> Recycled Content, 10% (post-consumer + 1/2 pre-consumer)
						ALL	1 <b>MR 4.2</b> Recycled Content, 30% (post-consumer + 1/2 pre-consumer)
ALL	ALL	ALL	ALL	ALL	ALL	ALL	1 <b>MR 5.1</b> Regional Materials, 10% Extracted, Processed & Manufactured Regionally
ALL	ALL	ALL	ALL	ALL	ALL	ALL	1 <b>MR 5.2</b> Regional Materials, 20% Extracted, Processed & Manufactured Regionally
<b>Indoor Environmental Quality</b>							
						ALL	1 - 10 <b>EQ 2</b> Increased Ventilation
						ALL	1 <b>EQ 8.1</b> Daylight & Views, Daylight 75% of Spaces
						ALL	1 <b>EQ 8.1</b> Daylight & Views, Daylight 90% of Spaces

FOR MORE INFORMATION ON SUSTAINABLE PRODUCTS  
AND PRACTICES, VISIT THE FOLLOWING WEBSITES:

[www.variform.com](http://www.variform.com)

[www.vinylsiding.org/](http://www.vinylsiding.org/)

[www.plygem.com](http://www.plygem.com)

[www.energystar.gov/](http://www.energystar.gov/)

[www.plygemwindows.com](http://www.plygemwindows.com)

[www.usgbc.org/LEED/](http://www.usgbc.org/LEED/)

[www.plygemaccents.com](http://www.plygemaccents.com)

[www.nahbgreen.org/](http://www.nahbgreen.org/)

[www.GreenApprovedProducts.com](http://www.GreenApprovedProducts.com)



Ply Gem Siding Group  
2600 Grand Blvd., Suite 900  
Kansas City, MO 64108  
Phone: (800) 800.2244  
Fax: (800) 800.0077  
Web: [www.variform.com](http://www.variform.com)



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