



# Pella Product Contribution Summary

## LEED for Homes Credit Categories

LEED Environmental Category*		Maximum Possible Points
Credit Category	Title	Homes
<b>EA</b>	<b>Energy &amp; Atmosphere</b>	pg. 54
EA Prerequisite 1.1	Energy Star® for Homes	Yes
EA Credit 1.2	Exceptional Energy Performance	34 <sup>1</sup>
EA Prerequisite 3.1	Reduced Envelope Leakage	Yes
EA Credit 3.2	Greatly Reduced Envelope Leakage	2 <sup>2</sup>
EA Credit 3.3	Minimal Envelope Leakage	3
EA Prerequisite 4.1	Good Windows	Yes
EA Credit 4.2	Enhanced Windows	2 <sup>3</sup>
EA Credit 4.3	Exceptional Windows	3
<b>Possible EA points Pella products can help you achieve:</b>		<b>6</b>
<sup>1</sup> If you achieve points in this credit, you do not get any additional points in this criteria <sup>2</sup> Credits will be given for 3.2 or 3.3, not both <sup>3</sup> Credits will be given for 4.2 or 4.3, not both		
<b>MR</b>	<b>Materials &amp; Resources</b>	pg. 76
MR Credit 2.2	Environmentally Preferable Products	8
MR Prerequisite 3.1	Waste Management Planning	Yes
MR Credit 3.2	Waste Reduction	3
<b>Possible MR points Pella products can help you achieve:</b>		<b>11</b>
<b>IEQ</b>	<b>Indoor Environmental Quality</b>	pg. 85
IEQ Credit 8.3	Pre-occupancy Flush	1
<b>Possible IEQ points Pella products can help you achieve:</b>		<b>1</b>
<b>ID</b>	<b>Innovation in Design</b>	pg. 18
ID Prerequisite 2.1	Durability Planning	Yes
ID Prerequisite 2.2	Durability Management Verification	Yes
ID Credit 3	Innovation & Design Request	4
<b>Possible ID points Pella products can help you achieve:</b>		<b>4</b>
<b>AE</b>	<b>Awareness &amp; Education</b>	pg. 100
AE Prerequisite 1.1	Basic Operations Training	Yes
AE Credit 1.2	Enhance Training	1
AE Credit 1.3	Public Awareness	1
<b>Possible RP points Pella products can help you achieve:</b>		<b>2</b>
<b>Total possible points Pella products can help you achieve</b>		<b>20</b>

\*Source: LEED for Homes Rating System - 2008 Edition (www.usgbc.org)





# Pella Product Contribution Summary

## LEED 2009 (v.3) Credit Categories

### LEED for Homes Environmental Category

#### Credit Category

#### EA Energy & Atmosphere

##### EA Prerequisite 1.1

##### Performance of ENERGY STAR for Homes

**Prerequisite Intent:** Meet the performance requirements of ENERGY STAR for Homes, including third-party inspections.

**How Pella products can help you achieve the credit points:** Pella windows, with appropriate glazing, meet ENERGY STAR requirements. Pella windows are highly energy efficient with Total unit U-values as low as 0.24. Additionally, total-unit Solar Heat Gain Coefficients (SHGC) as low as 0.15 are available.

##### EA Credit 1.2

##### Exceptional Energy Performance

**Credit Intent:** Exceed the performance requirements of ENERGY STAR for Homes. Based on the Home Energy Standards (HERS) Index.

**How Pella products can help you achieve the points:** Pella windows, with appropriate glazing, can exceed ENERGY STAR requirements. Pella windows are highly energy efficient with Total unit U-values as low as 0.24 and air infiltration rates as low as 0.05 cfm/sq. ft.. Plus, most vent windows are tested for air infiltration when manufactured. Additionally, total-unit Solar Heat Gain Coefficients (SHGC) as low as 0.15 are available.

##### EA Prerequisite 3.1

##### Reduced Envelope Leakage

**Prerequisite Intent:** Minimize energy consumption caused by uncontrolled air leakage into and out of conditioned spaces. Based on Table 17 in the LEED for Homes Rating System.

**How Pella products can help you achieve the credit points:** Pella windows perform exceptionally well with air infiltration rates as low as 0.05 cfm/sq. ft.. Plus, most vent and fixed windows are tested for air infiltration when manufactured.

##### EA Credit 3.2

##### Greatly Reduced Envelope Leakage

**Credit Intent:** Greatly minimize energy consumption caused by uncontrolled air leakage into and out of conditioned spaces. Based on Table 17 in the LEED for Homes Rating System.

**How Pella products can help you achieve the credit points:** Pella windows perform exceptionally well with air infiltration rates as low as 0.05 cfm/sq. ft.. Plus, most vent and fixed windows are tested for air infiltration when manufactured.

##### EA Credit 3.3

##### Minimal Envelope Leakage

**Credit Intent:** Further reduction of energy consumption caused by uncontrolled air leakage into and out of conditioned spaces. Based on Table 17 in the LEED for Homes Rating System.

**How Pella products can help you achieve the credit points:** Pella windows perform exceptionally well with air infiltration rates as low as 0.05 cfm/sq. ft.. Plus, most vent and fixed windows are tested for air infiltration when manufactured.

##### EA Prerequisite 4.1

##### Good Windows

**Prerequisite Intent:** Maximize the energy performance of windows. Based on Table 18 in the LEED for Homes Rating System.

**How Pella products can help you achieve the credit points:** Pella windows, with appropriate glazing, meet ENERGY STAR requirements. Pella windows are highly energy efficient with Total unit U-values as low as 0.24. Additionally, total-unit Solar Heat Gain Coefficients (SHGC) as low as 0.15 are available.

##### EA Credit 4.2

##### Enhanced Windows

**Credit Intent:** Maximize the energy performance of windows. Based on Table 18 in the LEED for Homes Rating System.

**How Pella products can help you achieve the credit points:** Pella windows, with appropriate glazing, meet ENERGY STAR requirements. Pella windows are highly energy efficient with Total unit U-values as low as 0.24. Additionally, total-unit Solar Heat Gain Coefficients (SHGC) as low as 0.15 are available.

##### EA Credit 4.3

##### Exceptional Windows

**Credit Intent:** Maximize the energy performance of windows. Based on Table 18 in the LEED for Homes Rating System.





# Pella Product Contribution Summary

## LEED 2009 (v.3) Credit Categories

### LEED for Homes Environmental Category

#### Credit Category

**How Pella products can help you achieve the credit points:** Pella windows, with appropriate glazing, meet ENERGY STAR requirements. Pella windows are highly energy efficient with Total unit U-values as low as 0.24. Additionally, total-unit Solar Heat Gain Coefficients (SHGC) as low as 0.15 are available.

### MR Materials & Resources

#### MR Credit 2.2 Environmentally Preferable Products

**Credit Intent:** Increase demand for environmentally preferable products and products or building components that are extracted, processed, and manufactured within the region.

**How Pella products can help you achieve the points:** Some Pella windows contain up to 12.5% pre-consumer/post-industrial recycled content, primarily in the aluminum cladding and the glass glazing. Additionally, Pella wood windows and doors are manufactured at 5 locations in Iowa. Any project within a 500-mile radius of these locations may qualify for this credit. For example, this would include projects in Chicago, Indianapolis, Oklahoma City, Kansas City, St. Louis, Cincinnati, Milwaukee, Minneapolis, etc. Pella Impervia products are manufactured in Murray, KY. Any projects in Atlanta, New Orleans, Oklahoma City, Chicago, Detroit, Charleston, WV, Roanoke, Charlotte, and Tallahassee may be eligible.

#### MR Prerequisite 3.1 Construction Waste Management Planning

**Prerequisite Intent:** Reduce waste generation to a level below the industry norm.

**How Pella products can help you achieve the points:** Pella packages its product with cardboard and plastic stretchwrap which are fully recyclable. In addition, labels and other paper documents attached to the product or its packaging can be recycled.

#### MR Credit 3.2 Construction Waste Reduction

**Credit Intent:** Reduce or divert waste generated from new construction activities from landfills and incinerators to a level below the industry norm.

**How Pella products can help you achieve the points:** Pella packages its product with cardboard and plastic stretchwrap which are fully recyclable. In addition, labels and other paper documents attached to the product or its packaging can be recycled.

### IEQ Indoor Environmental Quality

#### EQ Credit 8.3 Preoccupancy Flush

**Credit Intent:** Flush the home with fresh air prior to occupancy but after all phases of construction are completed to reduce occupants' exposure to indoor air contaminants.

**How Pella products can help you comply with this prerequisite:** Pella venting windows can assist in providing the natural ventilation needed to perform the 48 hour preoccupancy flush.

### ID Innovation in Design

#### ID Prerequisite 2.1 and 2.2 Durability Planning and Management

**Prerequisite and Credit Intent:** Promote durability and high performance of the building enclosure and its components and systems through appropriate design, materials selection, and construction practices.

**How Pella products can help you achieve the points:** Pella provides installation guidelines and architectural support services to aid in the proper installation of Pella products and their integration into the building opening.

#### ID Credit 3 Innovative or Regional Design

**Credit Intent:** To minimize the environmental impact of the home by incorporating additional green design and construction measures that have tangible and demonstrable benefits beyond those in the LEED for Homes Rating System.

**How Pella products can help you achieve the points:** Points within this credit category will depend heavily on the innovation of the design team, and may include Pella window and door products as part of the strategy. One example, could be the role Pella products play in the reduction of sound transmission creating acoustical comfort. Pella offers a variety of standard products and glazing configurations with STC performance as high as 35. Performance above 35 may be achieved through Pella's custom offering of custom glazing solutions.

### AE Awareness & Education





## Pella Product Contribution Summary LEED 2009 (v.3) Credit Categories

### LEED for Homes Environmental Category

#### Credit Category

##### AE Prerequisite 1.1

##### Basic Operations Training

**Prerequisite Intent:** Maintain the performance of the home by educating the occupants about the operations and maintenance of the home's LEED features and equipment.

**How Pella products can help you achieve the points:** Pella maintains information and data concerning the performance of its products in relation to LEED and LEED practices. The builder can utilize this information in the operations and maintenance manual, provided to the homeowner, as part of the list of features, operations, and maintenance.

##### AE Credit 1.2

##### Enhanced Training

**Credit Intent:** Maintain the performance of the home by educating the occupants about the operations and maintenance of the home's LEED features and equipment. Provide two hours of training for the occupant in addition to the training provided for in AE 1.1.

**How Pella products can help you achieve the points:** Pella's product information on LEED and LEED practices can be utilized to aid in the education of homeowners to the unique features of a LEED home.

##### AE Credit 1.3

##### Public Awareness

**Credit Intent:** Maintain the performance of the home by educating the occupants about the operations and maintenance of the home's LEED features and equipment. Promote public awareness about LEED for Homes.

**How Pella products can help you achieve the points:** Pella's product information on LEED and LEED practices can be utilized by a builder to use in a green building exhibition or tour, to help homeowners/participants be educated on the unique features of a LEED home.

\* Source: Leed for Homes Rating System -- 2008 Edition ([www.usgbc.com](http://www.usgbc.com))

