



# Precision Ladders, LLC

www.PrecisionLadders.com

January 2011

For the most up-to-date LEED® information see our product listings at:

[www.greenformat.com/company/2080](http://www.greenformat.com/company/2080) 

## **Environmental Benefits of Using Aluminum Access Products**

- Aluminum extrusions make up the vast majority of the **Precision Ladders** product line. These extrusions are made of 75% recycled aluminum.
- Aluminum will not rust so it requires no paint or finishes to protect against the elements.
- When a steel ladder rusts, it must eventually be replaced with another ladder which means twice the environmental impact. (Not to mention, twice the cost!)
- Aluminum access products are usually less than half of the weight of steel ones, meaning fewer resources to transport and install.
- No rust means, no harmful corrosion dripping from a rusted ladder.

## **General Precision Ladders Product LEED® Information**

(Recycled information was obtained from suppliers and is subject to change without notice.)

**Manual Disappearing Stairways - Super Simplex** - Aluminum extrusions and sheet steel make up approx. 90% of this product.

- Aluminum extrusions **75% Recycled Content** (reference Taber letter)
  - 70% Post Consumer
  - 30% Pre Consumer
- Sheet steel **68% Recycled Content** (reference Nucor letter)
- 3003 sheet aluminum **27.7% Recycled Content** (reference Alcoa letter)
  - 15.8% Post Consumer
  - 23.8% Pre Consumer

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**Automatic Disappearing Stairways - Automatic Electric** - Aluminum extrusions and sheet steel make up approx. 80% of this product

- Aluminum extrusions - **75% Recycled Content** (reference Taber letter)
  - 70% Post Consumer
  - 30% Pre Consumer
- Sheet steel **68% Recycled Content** (reference Nucor letter)

**Fixed Aluminum Access Products** – Fixed Vertical Ladders, Ships Ladders, Pivotal Ladders, Retractable Ladders, Alternating Tread Devices, Industrial Stairs, Platforms and Guard Rail Systems - Aluminum extrusions make up approx. 95% of these products.

- Aluminum extrusions **75% Recycled Content** (reference Taber letter)
    - 70% Post Consumer
    - 30% Pre Consumer
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**Aluminum Roof Hatches** - Aluminum sheet makes up approx. 95% of this product.

- 3003 sheet aluminum **27.7% Recycled Content** (reference Alcoa letter)
  - 15.8% Post Consumer
  - 23.8% Pre Consumer

**Galvanized Roof Hatches** - Galvanized sheet makes up approx. 95% of this product.

- Galvanized sheet steel **68% Recycled Content** (reference Nucor letter)
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**Ladder Safety Post** – Extend-A-Rail - Aluminum extrusions and machined aluminum components make up approx. 90% of this product. **Note:** This product's finish is anodized.

- Aluminum extrusions **75% Recycled Content** (reference Taber and East Tennessee Steel Supply letters)
  - 70% Post Consumer
  - 30% Pre Consumer

## **General Shipping & Manufacturing LEED® Information**

All **Precision Ladders** products are made in the USA! Raw materials and hardware are shipped to the **Precision Ladders** factory and fabricated to project specifications then shipped from the address below. Products can be shipped anywhere in the world.

**Precision Ladders, LLC**  
4188 East Andrew Johnson Hwy  
Morristown, Tennessee 37814  
[www.PrecisionLadders.com](http://www.PrecisionLadders.com)



**Made in the  
USA since 1942**

**Precision Ladders, LLC** is a proud member of the  
**United States Green Building Council**







Alcoa, Inc.

North American Rolled Products  
1480 Manheim Pike  
Lancaster, PA 17601  
P: 717.393.9641  
F: 717.295.2222

Dear Valued Customer:

Thank you for choosing Alcoa Sheet Products. Below is information to aide you in pursuing certification under the Leadership in Energy and Environmental Design (LEED) Green Building Rating System. This information can be used to document LEED credits MR 4.1 / 4.2, Recycled Content and credits MR 5.1/5.2, Local Manufacture/Harvest.

**Material Source Information**

The product you have purchased, 3003- aluminum rolled sheet product, was manufactured in: **Texarkana, TX**

Location of Harvest/Extraction (Smelting\*\*) of recycled content was **Texarkana, TX**.

622 Miles from the project site - Chattanooga, TN (credit given for <500 miles).

**Recycled Content\*:**

% Post – Consumer	<b>15.8 %</b>
% Post – Industrial (pre-consumer)	<b>23.8 %</b>

The combined calculated recycled content by weight for this product is **27.7 %**. This is the total percentage that can be used to calculate the recycled content that is locally harvested as required by MR credit 5.

**This information is valid for material produced through the end of 2008.**

We appreciate your continued business and support. If you have any questions, please contact your Regional Sales Manager or Customer Service Representative.

Sincerely,

J. Michael Murphy  
Director of Marketing & Sales – Industrial Products  
North American Rolled Products

\* As defined by the LEED NC 2.2 Reference Guide, pages 410 & 411

\*\* As defined per Credit Interpretation Ruling for MR credit 5, issued on 10/18/2001.

*Updated: August 1, 2008*

# NUCOR

CORPORATE OFFICE



March 19, 2008

To: All Nucor Customers

Re: 2007 Recycled Content of Nucor Steel Products

Nucor Corporation is the nation's largest recycler, using over 20 million tons of scrap steel in 2007 to create new products. Nucor uses Electric Arc Furnace (EAF) technology at all of its steel recycling facilities. EAFs use post-consumer scrap steel material for the major feedstock, unlike blast furnace operations which use mined iron ore as the major feedstock. Nucor has prepared the following information to help calculate the recycled content for products being used in "Green Building" applications or for projects in the LEED® program. Percentages are approximate and based on the total weight of the products. Calculations are based on 2007 scrap steel delivered and finished materials produced and are defined in accordance with ISO 14021:1999. Values do not consider home scrap or scrap generated onsite. Specific product information may be available from facility representatives.

### Recycled Content – LEED Version 2.2 Credit 4.1 and 4.2

<b>2007 Recycled Steel Content of Nucor Products (% by Total Weight)</b>	
<b>Product Group</b>	<b>Average Recycled Content</b>
Nucor Bar Products	>99.7%
Nucor Beam Products	74%
Nucor Plate Products	77%
Nucor Sheet Products	68%
<b>Total Nucor Steel Combined</b>	<b>87.3%</b>
Vulcraft Structural Products	>99.7%
Vulcraft Decking	68%
Nucor Building Systems Products	87%
NUCON Light Gauge Framing	68%
Nucor Fastener Products	>99.7%
Nucor Wire Products	>99.7%
Nucor Cold Finish	>99.7%

### Regional Materials – LEED Version 2.2 Credit 5.1 and 5.2

Nucor tracks the origin of scrap shipments to our mills. Nucor can approximate the amount of scrap extracted from any project site region. Nucor owns steel and steel products manufacturing facilities throughout the US that are within 500 miles of almost any project site. Please refer to our LEED contact list, and contact the specific Nucor representative at the facility directly.

# NUCOR

## CORPORATE OFFICE

**Bar Mill Group** – Darlington, SC; Norfolk, NE; Jewett, TX; Plymouth, UT; Auburn, NY; Birmingham, AL; Kankakee, IL; Jackson, MS; Seattle, WA; Marion, OH

2007 Approximate Recycled Steel Content Of All Nucor Bar Mill Group Products <sup>(*)</sup>				
Facility	Total Scrap Steel Used	Total Alloys and Other Iron Units	Total Post-consumer Recycled Content	Total Pre-consumer Recycled Content
All	>99.7%	<1%	87%	13%

The Nucor Bar Mill Group produces rebar, angles, flats, rounds and other miscellaneous shapes. The bar mill group uses recycled scrap steel for over 99% of the feedstock.

**Sheet Mill Group** – Crawfordsville, IN; Hickman, AR; Huger, SC; Decatur, AL

2007 Approximate Recycled Steel Content Of Nucor Sheet Mill Group Products <sup>(*)</sup>				
Facility	Total Scrap Steel Used	Total Alloys and Other Iron Units	Total Post Consumer Recycled Content	Total Pre-consumer Recycled Content
Crawfordsville, IN	84%	16%	73%	14%
Hickman, AR	63%	37%	55%	8%
Berkeley, SC	57%	43%	50%	7%
Decatur, AL	68%	32%	59%	9%

The Nucor Sheet Mill Group produces hot band, cold rolled, pickled and galvanized products. Nucor Sheet mills use varying amounts of recycled materials depending on metallurgical product demands and market conditions. The combined sheet mill total recycled content is approximately 68%.

**Beam Group** – Blytheville, AR; Huger, SC

2007 Approximate Recycled Steel Content of Beam Mill Products <sup>(*)</sup>				
Facility	Total Scrap Steel Used	Total Alloys and Other Iron Units	Total Post Consumer Recycled Content	Total Pre-consumer Recycled Content
Nucor Yamato Steel, Blytheville, AR	91%	9%	79%	12%
Nucor Berkeley, Huger, SC	57%	43%	50%	7%

Nucor Beam mills produce narrow and wide flange structural beams. Nucor Yamato uses approximately 91% scrap steel for their feedstock. Nucor Steel Berkeley uses a higher percentage of non-scrap iron due to metallurgical product demands for sheet steel produced using the same EAF's. The combined beam mill recycled content is approximately 74%.

**Plate Group** - Hertford County, NC, Tuscaloosa, AL

2007 Approximate Recycled Steel Content of Plate Mill Products <sup>(*)</sup>				
Facility	Total Scrap Steel Used	Total Alloys and Other Iron Units	Total Post Consumer Recycled Content	Total Pre-consumer Recycled Content
Hertford County, NC	91%	9%	79%	12%
Tuscaloosa, AL	64%	36%	56%	8%

The Nucor Plate mills produce steel for heavy industry equipment. The combined plate mill recycled content by weight is approximately 78%.

<sup>(\*)</sup> Studies show that the recycled steel used for Nucor products consists of approximately 87% post-consumer scrap. The remaining 13% typically consists of pre-consumer scrap generated by manufacturing processes for products made with steel.

# NUCOR-YAMATO STEEL CO.

Post Office Box 1228 ♦ Blytheville, Arkansas 72316 ♦ Telephone 870/762-5500 ♦ Fax 870/763-4681

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March 5, 2008

Subject: Recycled content of Nucor-Yamato Steel Company structural products

Nucor-Yamato Steel produces all of its structural steel products using the electric arc furnace process that uses ferrous scrap (recycled steel) as the primary feedstock. In order to meet our production goals each year, Nucor-Yamato recycles/consumes approximately 2.5 million tons of steel. The requirement for this amount of raw material makes Nucor-Yamato the largest recycler of steel in the state of Arkansas.

Over 95% of the electric arc furnace charge consists of various types of recycled steel. For LEED-NC v2.1, over 80% is "post-consumer" and over 15% is "post-industrial". (For LEED-NC v2.2, "post-consumer" is over 80%, but the 15% component is now called "pre-consumer".) The balance of the metallic charge is made up of pig iron, which is produced from iron ore. The majority of pig iron consumed as a ferrous scrap substitute at Nucor-Yamato Steel is sourced from outside the USA and purchased directly by us. The percentage of individual types of ferrous scrap and pig iron may vary and is based upon market fluctuation in scrap pricing and the need to provide the desired properties to meet material specifications.

The David Joseph Company provides almost all of the ferrous scrap consumed by Nucor-Yamato Steel Company. The David Joseph Company reports that at over sixty percent of Nucor-Yamato's recycling material (scrap iron and steel) originates from within a 500-mile radius of Little Rock, Arkansas. In 2007, about 1,582,390 tons of ferrous scrap was consumed at Nucor-Yamato Steel from within this radius.

If we may be of further assistance to you, or should you require additional information, please feel free to contact us.

Best Regards,

Gary Pennell  
Chief Metallurgist

# NUCOR

## CORPORATE OFFICE

**Vulcraft Group** – Florence, SC; Norfolk, NE; Brigham City, UT; Grapeland, TX; St. Joe, IN; Fort Payne, AL; Chemung, NY; **Verco Decking, Inc.** – Phoenix, AZ; Fontana, CA; Antioch, CA

**Joists** – The bar steel for most Vulcraft joists is obtained from one of the nine Nucor bar mills that use over 99% scrap steel as their feedstock. A breakdown of the recycled content of Nucor bar mill products is detailed above. Vulcraft facilities may receive steel from sources outside of Nucor that may contain lower amounts of recycled steel. Specific product information is available from facility representatives.

**Deck** – Steel for decking produced by Vulcraft facilities are typically obtained from one of the four Nucor sheet mills. A breakdown of the recycled content of Nucor sheet mill products is detailed above. Vulcraft deck products contain approximately 68% recycled steel. Verco Decking, Inc. may obtain steel from sources outside of Nucor that may contain lower amounts of recycled content; specific product information is available from facility representatives.

### **Products Group -**

- **Nucor Building Systems** – Swansea, SC; Waterloo, IN; Terrell, TX; **American Buildings Company\*\*** – Eufaula, AL; La Crosse, VA; Carson City, NV; El Paso, IL; **Kirby Building Systems \*\*** – Portland, TN; **Gulf States Manufacturer\*\*** – Starkville, MS; **CBC Steel** – Lathrop, CA;
- **NUCON Steel** – Denton, TX; Dallas, GA
- **Nucor Fastener** – St. Joe IN
- **Nucor Wire Products Pennsylvania\*\*** - New Salem, PA; **Nucor Steel Connecticut** – Wallingford, CT; **LMP Steel\*\*** – Maryville, MO;
- **Nucor Cold Finish** – Milwaukee, WI; Swansea, SC; Brigham City, UT; Norfolk, NE

**Nucor Building Systems** (Including American Buildings Company, Kirby Building Systems, Gulf States Manufacturer and CBC Steel) – Nucor Building Systems products may contain steel from all of the Nucor steel mills including sheet, plate, bar and beam. The average amount of recycled steel used in Nucor Building Systems products is approximately 87%. Nucor Building System facilities may obtain steel from sources outside of Nucor that may contain lower amounts of recycled content; specific product information is available from facility representatives.

**NUCONSTEEL**- NUCONSTEEL light gauge steel framing products are typically obtained from one of the four Nucor sheet mills. A breakdown of the recycled content of Nucor sheet mill products is detailed above. NUCON products contain approximately 68% recycled steel.

**Nucor Fastener** – Steel for fasteners is typically obtained from Nucor bar mills that use scrap steel as their feedstock. Some fasteners may contain high percentages of alloys that may reduce the total recycled content of the products, but Nucor Fastener products typically contain over 99% recycled materials.

**Nucor Wire Products Pennsylvania, Nucor Connecticut, LMP Steel** – Steel for wire is typically obtained from a Nucor bar mill that uses scrap as the feedstock. Nucor wire products contain over 99% recycled materials over 99% recycled steel.

**Nucor Cold Finish** – Steel processed at Nucor Cold Finish is typically obtained from Nucor bar mills. The Nucor Cold Finish is over 99% recycled steel. Nucor Cold Finish facilities may obtain steel from sources outside of Nucor that may contain lower amounts of recycled content. Specific product information is available from facility representatives.

Additional information is available online through the Steel Recycling Institute at <http://www.recycle-steel.org>.

*(\*\*) Facilities were acquired by Nucor Corporation in 2007. Information for this facility is only for the time period after the facility was acquired as a Nucor facility.*



Precision Ladders, LLC  
PO Box 2279  
Morristown, TN 37816-2279

Reference: Recycled Aluminum

Debbie Gross,

Here at Taber Extrusion during our casting process we use 25% prime and 75% recycled scrap. Of the recycled material 30% comes from internal manufacturing scrap and 70 % from purchased post production scrap.

I hope that this information is of some help to you. As always, if you have any questions or concerns about this or anything else please do not hesitate to contact me.

Thank you,

Cis Ladner  
Customer Service Manager  
Taber Extrusions LLC  
Gulfport Division