



Oldcastle Glass Perrysburg

291 M Street, Perrysburg, OH 43551 phone 800-537-4064 fax 800-666-8367

FACSIMILE TRANSMITTAL SHEET

TO:	Beau Crandell	FROM:	Ryan McDougle
COMPANY:	United Skys	DATE:	1/13/2005
FAX NUMBER:	847-546-7785	TOTAL NO. OF PAGES INCLUDING COVER:	10
PHONE NUMBER:	847-546-7776	SENDER'S PHONE NUMBER:	1-800-537-4064 ext. 1291
RE:	McCormick Place	FAX NUMBER:	1-800-666-8367

- URGENT
 FOR REVIEW
 PLEASE COMMENT
 PLEASE REPLY
 PLEASE RECYCLE

NOTES/COMMENTS:

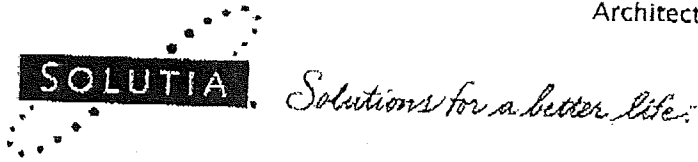
Beau,

Please see the attached information in regards to LEEDS building information. Currently, Oldcastle Glass – Perrysburg does not have a one page form with this information. Hopefully, this will work for you at this time and when the short version is available I will forward it to you. If you have any additional questions please feel free to contact me.

Ryan McDougle
Customer Service Supervisor

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Received Time: Jan 13, 2005 11:50AM



Architectural Technical Applications Center
 730 Worcester Street
 Springfield, MA 01151
 413-730-3413 - Phone
 508-867-0127 - FAX

September 11, 2003

Dear Saflex® Customer,

Thank you for your inquiry regarding post consumer and post industrial recycled content in Architectural Glazing Interlayers by Solutia Inc.

Currently our United States production facilities operate using up to 30% post industrial recycled content. We currently do not use post consumer product in our facilities however, the finished product as supplied to the consumer is recycled into secondary materials for various markets.

Please feel free to contact me if there are any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Julia C. Schimmelpenningh".

Julia C. Schimmelpenningh
 Technical Applications Manager - Architectural
 Laminated Glazing Interlayers
 Solutia Inc.

® Saflex is a registered trademark of Solutia Inc.

091103v1.0

Received Time Jan.13. 11:50AM



METAL MOULDING MANUFACTURING CORP.
1990 HIGHLAND AVENUE BETHLEHEM, PENNSYLVANIA 18020
PHONE: 610-866-2441 FAX: 610-866-3761

June 23, 2003

Mr. James L. Bechen
Oldcastle Glass, Inc.
2805 Dallas Pky Ste 450
Plano, TX 75093

Dear Mr. Bechen,

Per our discussion, since Hygrade's primary spacer and muntin aluminum alloy is 3105, approximately 85% of the metal in the form of spacer and muntin that you get from us is recycled aluminum. We, as a company, recycle all of our scrap--aluminum, steel, and cardboard.

Received Time: Jan. 13. 11:49AM; information in this regard.

STOPPED

**PILKINGTON**

2003-09-10

Mr. James Bechen
Oldcastle Glass
Dallas

By e-mail: JBechen@OldcastleGlass.com

Dear Mr. Bechen,

This is to state that Pilkington NA Inc. currently uses no "post-consumer" recyclable materials in our float glass; assuming that this means old window glass from buildings or cars, or even old container glass. The flat glass industry cannot use such materials because it is impossible to obtain them in a scrupulously clean form and of a constant composition which would blend perfectly with our own products in the melting stage.

We do use up to 25% broken glass ("cullet"), typically between 15% and 20% by weight, which could be described as "post-industrial" material. This cullet is the trim waste from our own finish-size cutting operations and from those of selected customers.

Christopher Barry
Director, Technical Services

cc: Gregg Thomas

Pilkington
P.O. Box 799
811 Madison Avenue
Toledo, Ohio
43697 - 0799

Architectural Technical Services
christopher.barry@us.pilkington.com

Tel. 419 247 4448

Tel. 419 247 4203
Fax. 419 247 4517

Received Time Jan.13. 11:50AM



PILKINGTON

Pilkington North America USGBC LEED Specification Summary

Pilkington has been proud to be the technological leader in glass manufacturing for many years. Whether it's improved processes such as the float glass manufacturing process (of which over 95% of glass is produced today), advanced coating technologies (pyrolytic or "hard-coat" coatings that require significantly less energy to make), or our wide range of solar and thermal control glass products, Pilkington is proud to lead in areas of environmental concern, sustainable building, and green building initiatives.

One of the most prominently recognized architectural standards in green or sustainable building design is the **Leadership in Energy and Environmental Design (LEED) Green Building Rating System™** administered by the United States Green Building Council (USGBC). LEED was developed to define "green building" by establishing a common standard of measurement and recognize environmental leadership in the building industry through a certification process of buildings on a point-system for specific building projects.

While LEED does not certify specific building (glass) products, it does recognize that the selection of products play a significant role in fulfilling LEED point requirements. Pilkington products can help architects achieve LEED certification for their projects in a number of areas noted below.

LEED Category: Energy & Atmosphere **LEED Credit: From 1-10 points**

Credit 1: Optimize Energy Performance

Intent: achieve increasing levels of energy performance above the prerequisite standard to reduce environmental impacts associated with excessive energy use.

Requirements: reduce energy cost compared to the energy cost budget for energy systems regulated by ASHRAE/IESNA Standard 90.1-1999, as demonstrated by a whole building simulation using the Energy Cost Budget Method described in Section 11 of the standards.

Credit contribution of Pilkington Products: Most Pilkington glass products can provide a substantial energy savings and significantly influence the awarding of points for this category by reducing demand on regulated energy systems. For instance, Pilkington Eclipse Advantage™ reflective low-e products provide excellent solar and thermal control while allowing significant visible and natural light into buildings. Eclipse Advantage™ is available in a wide palette of colors to provide design-appropriate aesthetic options.

Other Pilkington glass products to consider for this category include: Solar-ET™ solar control low-e or Energy Advantage™ low-e or Energy Advantage™ used in conjunction with one of Pilkington's many tinted glass options.

Many Pilkington products are considered "spectrally selective" as defined by the U.S. Department of Energy, achieving a Light to Solar Heat Gain Ratio (LSG) of 1.25 or higher.

LEED Category: Materials & Resources **LEED Credit: 1 point per credit**

Credit 4.1: Recycled Content 5% (post-consumer + ½ post-industrial)

Credit 4.2: Recycled Content 10% (post-consumer + ½ post-industrial)

Intent: increase demand for building products that incorporate recycled content materials, therefore reducing impacts resulting from extraction and processing of new virgin materials.

Requirements: use materials with recycled content such that the sum of post-consumer recycled content plus one-half of the post-industrial content constitutes at least 5%/10% of the total value of project materials.

Credit contribution of Pilkington Products: Pilkington's flat glass manufacturing process batch materials contain ~20% recycled glass (known as cullet). Of this amount, most is considered post-industrial recycled content. Almost all of the unused glass produced is recycled into production as cullet into the batch materials.

Credit 5.1: Regional Materials: 20% manufactured regionally

Credit 5.2: Regional Materials: 50% extracted/manufactured regionally

Intent: increase demand for building materials and products that are extracted and manufactured within the project region, thereby supporting the regional and local economy and reducing environmental impacts resulting from transportation.

Requirements (Credit 5.1): use a minimum of 20%/50% of building materials and products that are manufactured regionally (within a radius of 500 miles of the project site)

Requirements (Credit 5.2): of the regionally manufactured materials documented for Credit 5.1 (above), use a minimum of 50% of building materials and products that are extracted, harvested or recovered (as well as manufacturing) within 500 miles of the project site.

Credit contribution of Pilkington Products: Pilkington provides glass products to numerous fabricators with locations throughout North America, capable of providing a manufacturing point within 500 miles of most every project location.

LEED Category: Indoor Environmental Quality **LEED Credit: 1 point per credit**

Credit 8.1: Daylight & Views: Daylight of 75% of Spaces

Credit 8.2: Daylight & Views: Views for 90% of Spaces

Intent: Provide for the building occupants a connection between indoor spaces and the outdoors through the introduction of daylight and views into the regularly occupied areas of the building.

Requirements (Credit 8.1): achieve a minimum daylight factor of 2% (excluding all direct sunlight penetration) in 75% of all spaces occupied for critical visual tasks.

Requirements (Credit 8.2): achieve direct line of sight to vision glazing for building occupants in 90% of all regularly occupied spaces.

Credit contribution of Pilkington Products: Pilkington provides a wide array of clear, tinted and coated glass products with varying levels of visible light transmittance combined with solar and thermal control. For example, Pilkington Optiwhite™ low iron glass provides 90% or more visible light transmittance for areas requiring daylight transmittance. Project design must be considered to achieve requirements.

For additional information:

www.pilkington.com

800-221-0444



GUARDIAN INDUSTRIES CORP.
FLAT GLASS ENGINEERING DEPARTMENT
14511 ROMINE ROAD
CARLETON, MI 48117
(734) 654-1111 or (888) 521-9734
(734) 654-4730 (Fax)
tech_services@guardian.com

April 4, 2003

James Bechen
Oldcastle Glass Inc.
2805 Dallas Parkway
Suite 450
Plano, TX 75093

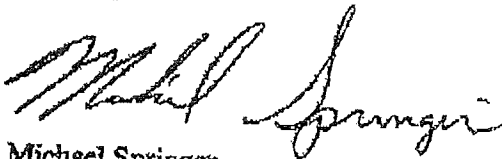
Dear Mr. Bechen,

Thank you for your inquiry regarding post consumer and post-industrial recycled content in our float glass product.

Currently our United States float plants produce float glass product that contains 0% post-consumer recycled content and less than 15% post industrial content by weight.

Please feel free to contact me if you have any questions.

Sincerely,



Michael Springer
Application Engineer
Flat Glass Engineering Group
Guardian Industries Corp - Science and Technology Group

C: Mitch Edwards - Flat Glass Engineering Manager
John Maxson - Guardian Sales Representative
David Hall - Scientist



Oldcastle Glass[®]

2805 Dallas Parkway
Suite 450
Plano, TX 75093
www.OldcastleGlass.com
tel 972.747.3800
fax 972.747.3838

January 13, 2005

Thank you for your inquiry into the "Post Industrial" recycled content of clear float glass supplied to you by our Perrysburg location.

Oldcastle Glass Inc. doesn't manufacture glass and has no control over the recycled content our suppliers use in the float glass products we purchase. We have contacted our suppliers and requested formal letters from each identifying the "Post-Industrial" content of their products. PPG Industries, Inc. states that their float glass products typically contain 15%-20% by weight of recycled glass in the form of glass cullet. Guardian Industries Corp, states currently their United States float plants produce float glass products that contains 0% post-consumer recycled content and less than 15% post industrial content by weight.

Please feel free to contact me if you have any questions or require additional information.

Sincerely

Ryan McDougle
Customer Service Supervisor
Oldcastle Glass - Perrysburg
1-800-537-4064
rmcdougle@oldcastleglass.com



METAL MOULDING MANUFACTURING CORP.
1990 HIGHLAND AVENUE BETHLEHEM, PENNSYLVANIA 18020
PHONE: 610-866-2441 FAX: 610-866-3761

June 23, 2003

Mr. James L. Bechen
Oldcastle Glass, Inc.
2805 Dallas Pky Ste 450
Plano, TX 75093

Dear Mr. Bechen,

Per our discussion, since Hygrade's primary spacer and muntin aluminum alloy is 3105, approximately 85% of the metal in the form of spacer and muntin that you get from us is recycled aluminum. We, as a company, recycle all of our scrap—aluminum, steel, and cardboard.

Let me know if you need any additional information in this regard.

We appreciate your business.

Sincerely,

**HYGRADE METAL MOULDING
MANUFACTURING CORP.**

I. Douglas Sherman
Vice Chairman



Hygrade Components

OLDCASTLE GLASS – Insulating Glass

Oldcastle Glass fabricates high quality architectural glass products including Insulating glass, Spandrel glass, Heat Mirror™ insulating glass, Heat-treated glass, Laminated glass, Silk-screened glass, Bentemp®, Stackwall™ and Glass Entrance Systems for the commercial construction industry.

It is Oldcastle Glass's policy to be environmentally friendly to the communities where we fabricate as well as the areas in which our products are installed and maintained.

PRODUCT

Olfactory – Not applicable. No odors or volatile organic compounds (VOC) are emitted by the finished product.

Auditory – Product itself does not generate or emit any sounds. Noise reduction capabilities of installed product can vary dependent upon the components specified.

Visual – Storefronts, curtainwalls, windows and skylights are a source of natural daylight. Energy efficiency can vary dependent upon system design and the components specified. Insulating glass as an infill offers a wide range of performance capabilities in terms of aesthetics, visible light reflectance and visible light transmission.

Energy Requirements – Minimal energy is required during the installation of the product.

Product Maintenance – Detailed maintenance procedures are readily available from GANA or Oldcastle Glass.

FABRICATION PROCESS

Recycled Content – Specific data regarding recycled content of component materials is readily available from the manufacturers of those components including glass, aluminum spacers, desiccant and sealants.

Reusable Life – Architectural glass products have the potential to be recycled for use in paving materials, road deflectors, reflective paints as well as bottles and jars.

INTERNAL RECYCLING

Oldcastle Glass endeavors to reduce, reuse and recycle materials in an effort to conserve natural resources during the fabrication of our products.

Glass – All glass scrap is captured and sold to recycling companies.

Aluminum Spacer – All aluminum scrap including saw chips are captured and sold to recycling companies.

Other – Other recycled items include paper, wood packing material, beverage cans, printer cartridges and florescent bulbs. Wooden pallets are either reused or recycled. Cardboard and steel banding is recycled.

NON-POLLUTING

Oldcastle Glass makes every effort to be compliant with local, state and federal environmental requirements. A staff specialist is devoted to environmental concerns and compliance. In addition, Oldcastle Glass conducts hazardous materials training to minimize risk to all employees and environmental damage.

All heat requirements are satisfied by natural gas or electricity in the heattreating process.

Energy Efficiency – Oldcastle Glass endeavors to use energy efficiently in an effort to conserve natural resources during the fabrication of our products.

Ronald J. Spellich, P.E., CSI, CDT
Sr. Architectural Specialist
Oldcastle Glass

1/13/05

Received Time Jan.13. 11:50AM

IG - environmental statement .DOC



PPG Industries

PPG Industries, Inc.
Guys Run Road
Prest Glass Box 28301
Pittsburgh PA 15226-0301 USA
Telephone (412) 820-3149
Fax (412) 820-2230
mailto:cc@ppg.com

Michael G. Bitterice
Sr. Engineer, Technical Services
Flat Glass Products

4 April 2003

Mr. James Bechen
Oldcastle Glass
2805 Dallas Parkway
Suite 450
Plano, TX 75088

Dear Mr. Bechen:

Per our discussion, PPG Industries, Inc. float glass products typically contain 15% to 20% by weight of recycled glass in the form of glass cullet.

Very truly yours,

Michael G. Bitterice

Cc: