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NFRC Labeling and Mark Usage Requirements

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Foreword

The National Fenestration Rating Council, Incorporated (NFRC) is an independent non-profit organization that establishes objective window, door, skylight, applied film and other fenestration product energy performance ratings. NFRC manages and operates a uniform rating system for energy and energy-related performance of fenestration products. The Rating System reports the U-factor, Solar Heat Gain Coefficient (SHGC), Visible Transmittance (VT), Air Leakage (AL), and Condensation. These ratings may be mandatory or optional based on the product category being certified. Together, these rating procedures, as set forth in documents published by NFRC, are known as the NFRC Product Certification Program (PCP).

The NFRC Rating System employs computer simulation and physical testing by NFRC licensed laboratories to establish energy and related performance ratings for fenestration products. The NFRC Rating System is reinforced by a certification program under which NFRC-licensed participants claiming NFRC product certification shall label and certify fenestration products to indicate those energy and related performance ratings, provided the ratings are authorized for certification by NFRC and under ongoing inspection and assessment by a recognized Inspection Agency (IA).

The requirements of the rating, certification, and labeling program (Certification Program) are set forth in this document and the most recent versions of documents referenced and associated with the PCP.

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Questions on the use of this procedure should be addressed to:

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Disclaimer

NFRC certification is the authorized act of a Manufacturer/Responsible Party in labeling a fenestration or related attachment product with an NFRC Permanent Label and/or, based on the product category, NFRC Temporary Label with the mandatory ratings, as well as any selected optional rating, as reported by NFRC-recognized simulation and testing laboratories, evaluated by an inspection agency and authorized for certification by NFRC. Each of these participants acts independently to report, recommend certification, and provide information to NFRC for certification based on the PCP requirements.

Certification by NFRC does not constitute a warranty or endorsement regarding any characteristic of a fenestration or fenestration-related attachment products. Certification is not an endorsement of or recommendation for any manufacturer's product or product line or any attribute of a product or product line. NFRC is not a merchant in the business of selling fenestration products or fenestration-related products and therefore cannot warrant products as to their merchantability or fitness for a particular use.

Questions about the NFRC Product Certification Program can be directed to the National Fenestration Rating Council.

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1. INTRODUCTION

This document details product labeling and NFRC certification mark usage requirements for products certified through NFRC Programs that use permanent and/or temporary labels, as well as the use of NFRC marks and information in product literature, marketing, and activities of licensees and recognized service providers.

NFRC owns U.S. Registration No. 2,238,431 for its primary certification mark and owns registered marks in several formats (the “Certification Marks”) that are used by licensed participants in connection with fenestration and fenestration-related attachment products as set forth in this manual. NFRC also owns common law trademark and trade name rights to “NFRC” (the Word Mark”).

Maintaining the integrity of the Marks and the Word Mark, including the logo that is part of the Certification Marks, is critical to the program, the participants, industry stakeholders, and consumers. Use of the Marks and Word Mark in a manner contrary to the requirements of the program and this document is prohibited and subject to action through NFRC’s Compliance and Monitoring Program (CAMP).

2. GLOSSARY OF TERMS

See NFRC 600 for a glossary of terms relating to the Product Certification Program and requirements.

3. REFERENCES

3.1 NFRC 7000 - Requirements for the NFRC Product Certification Program

3.2 NFRC 700 - Product Certification Program

3.3 NFRC 701 - Laboratory Accreditation Program Document

3.4 NFRC 704 – Product Certification Program Fee Schedule

3.5 NFRC 706 - Requirements for Participating Insulating Glass Certification Programs

3.6 NFRC 710 – NFRC Operating Policy Manual

3.7 NFRC 7002 – Inspection Agency Program

3.8 NFRC 7007 – NFRC Compliance and Monitoring Program

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4. GENERAL REQUIREMENTS

4.1 Use of the NFRC Marks and Word Mark is available to only current licensees and those authorized, in writing, for their use by NFRC.

4.2 Licensee shall obtain through licensing permission by NFRC to reproduce the Marks and Word Mark.

4.3 When used, the Marks and Word Mark shall be used in their respective entirety.

4.4 When reproduced, copies of certification documents shall be reproduced in their entirety only.

4.5 When used for product literature, in marketing and sales activities, and product labeling the NFRC Certification Marks and Word Mark shall be clearly legible in printed, etched, and/or electronic formats.

4.6 When used for labeling of certified products, see Sections 12 through 14 of this document.

4.7 All licensees and those authorized by NFRC to use the Marks and Word Mark shall not authorize, subcontract, or assign use of such marks to any other entity.

4.8 Licensees shall not market, sell or distribute, or authorize another party to market, sell or distribute, any fenestration product as a certified product if the product does not have certification authorization from NFRC.

4.9 Licensees shall not share information regarding certification of a product or product line that is inaccurate, false or misleading to the consumer or the public.

4.10 Upon suspension, withdrawal, or termination of certification, Licensee shall cease using printed materials or promotions referencing certification for any and all products no longer authorized for certification.

4.11 Misuse of the Marks and Word Mark shall be referred to NFRC Compliance and Monitoring for review.

5. USE OF NFRC MARKS, WORD MARK, AND INFORMATION

NFRC is the owner and proprietor of U.S. Registration No. 2,238,431 for the Certification Mark, and owns U.S. Registration No. 3834196 and U.S. Serial No. 97131846 for related Marks as shown in Section 10.

NFRC owns the Word Mark for use in association with the operation of its Certification Program and otherwise as shown in Section 10.

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5.1 **Permitted Use**

5.1.1 Licensees shall be licensed to use the Certification Marks and Word Mark as components of the Label in the manner and form permitted with respect to this document.

5.1.2 The Marks shall be used with the symbol ® in the manner reflected in Section 10.

5.1.3 The Word Mark shall be used with the symbol “TM” in the manner reflected in Section 10.

5.1.4 Licensees shall be allowed use Certification Marks and Word Mark on printed materials for the purpose of indicating fenestration products that have certification authorization.

5.1.5 The Certification Marks shall only be used in conjunction with product labeling, or when all products identified on printed or electronic materials are authorized for certification.

5.2 **Prohibited Use**

5.2.1 The NFRC Marks and Word Mark shall not be used in a product name, model, or series identification.

5.2.2 The Certification Marks shall not be used on product or product literature, printed or electronic, to indicate certification of products or components that are not certified or do not have certification authorization.

5.2.3 Products not authorized for NFRC Certification even when tested and simulated following NFRC rating procedures, shall not be advertised as NFRC-Certified and shall not be labeled or presented as such.

5.2.4 A Licensee shall not affix or cause to be affixed to a product, or to the box/packaging containing a product, an NFRC permanent or NFRC temporary label that sets forth a performance rating that is false, inaccurate, or misleading to a reader, consumer, the public, or a government agency.

5.2.5 Licensees shall not use the NFRC Marks or Word Mark in any way that could injure or harm the good name or reputation of NFRC.

A. Injury or harm to the good name or reputation of NFRC shall include, but not be limited to, use of the NFRC Marks or Word Mark on a Label that sets forth false, misleading or inaccurate information relating to a fenestration product.

B. Use of the NFRC Marks or Word Mark in a manner that states or implies that a fenestration product is rated or certified in accordance with the Product Certification

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Program when the product is not, or in any manner that is false, misleading, inaccurate or tends to cause consumer confusion.

5.2.6 Licensee's use of NFRC Marks, the Word Mark or Label in any manner outside of those allowed in this document, without prior written authorization from NFRC, shall be deemed a material breach of the License and may be the basis for immediate suspension of use of the mark.

6. GUIDANCE FOR USE IN PRINTED MATERIALS

6.1 Licensee's authorized use of the NFRC Marks and Word Mark shall be permitted in printed materials to promote certified products, the PCP, and NFRC.

6.2 Use of the NFRC Marks and Word Mark shall follow the guidelines set forth in this document.

6.2.1 For uses outside of the guidelines set forth in this document, see Section 9.

7. GUIDANCE FOR ELECTRONIC USE

7.1 Licensee's authorized use of the NFRC Marks and Word Mark shall be permitted in electronic communications and materials to promote certified products, the Program, and NFRC.

7.2 Authorized organizations shall use the NFRC Marks and Word Mark as shown in Sections 9 and 10.

7.3 Where licensees choose to direct visitors from their websites to NFRC, links to the NFRC Site and Information shall be directed to www.NFRC.org.

8. SPECIAL USE

NFRC understands that special circumstances may arise where an authorized user of the NFRC Marks and/or Word Mark, for special promotional or event use, may want to alter the color or size for a short period of time in recognition of the circumstance or event.

8.1 **Review for Special Use**

8.1.1 Requests for special use of the NFRC Marks or Word Mark shall be directed to the NFRC Marketing and Communications department via info@nfrc.org.

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8.1.2 Before release of special use materials, samples of the proposed materials using the NFRC Marks or Word Mark shall be submitted to NFRC for review.

A. NFRC shall have 10 business days for review of the submitted materials. If no response from NFRC is received by the licensee within the 10 business days, Licensee shall consider the submitted materials approved by NFRC.

8.1.3 Along with the request for special use the following information shall be provided:

A. Company name and contact
B. Brief description of the intended use
C. Expected duration of use
D. Sample of the label or intended use

9. SIZE AND COLOR GUIDANCE

The following provides guidance on size, color, and look of the NFRC Marks and Word Mark.

9.1 Printed Color

9.1.1 For use in printed materials, the following colors shall be used for the NFRC Marks:

Color	C	M	Y	K
NFRC Orange	0	83	100	0
NFRC Blue	92	54	34	11

9.1.2 If use of the CMYK colors is not possible, black and white shall be used provided the mark or logo is legible.

9.2 Digital Colors

9.2.1 For use in digital media, including websites, social media platforms, and electronic communications, the following colors shall be used for NFRC Marks:

Color	R	G	B
NFRC Orange	240	83	35
NFRC Blue	10	100	129

9.2.2 If use of the RGB colors is not possible, black and white shall be used provided the NFRC Marks are legible.

9.3 Sizes and Text Guidance

9.3.1 Minimum sizes for print and electronic use

A. Marks

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I. Width – 48 pixels – 0.50 inches
II. Height – 66 pixels – 0.69 inches

B. Word Mark
I. Font shall be Raleway, Arial, or Calibri and easily legible

9.3.2 Preferred sizes for print and electronic use

A. Marks
I. Width – 72 pixels – 0.75 inches
II. Height – 99 pixels – 1.03 inches

9.3.3 The aspect ratio of the Marks and Word Mark shall not be altered.

9.3.4 The Marks and Word Mark, as shown in the examples in Section 10, shall be used in their entirety.

9.4 NFRC Certification Mark Clear Zone

There shall be an appropriate amount of white space around the NFRC Marks to ensure that the mark is not impeded or obstructed. This clear zone shall be, at minimum, equal in all directions to half of the width of the circle within the Certification Mark that contains “NFRC.”

10. NFRC MARKS AND WORD MARK

For use in marketing, labeling, and promotion, high resolution images of the Marks and Word Mark are available in an array of file types for members and those authorized to use the marks.

Files are available through the NFRC Member Website or by contacting NFRC directly.

10.1 NFRC Mark (Logo)



10.2 NFRC Certification Mark w/ Certified – United States and Canada

The Certification Mark with “certified” and the “C” and “US” at the sides, as shown below, shall be used on product labeling and on documents that show only certified products.

This mark shall be used in the Canadian market and may be used in the US market to represent certification.

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Note: Sections 10.3 allows use of the original certification mark for manufacturers that distribute and sell into only the US market.

10.3 **NFRC US Certification Mark w/ Certified – United States use Only**

The Certification Mark with “certified”, without national or international market Identification, shall only be used on product labeling and on documents that show only certified products intended for distribution in the United States.



10.4 **NFRC Word Mark**

10.4.1 Raleway, Arial, or Calibri font – Size 14 Bold.

10.4.2 “TM” Raleway , Arial, or Calibri font size 6.

A. May be placed in top or bottom right corner.
B. The “TM” may be excluded in instances where the size or method of application would make it unreadable .6

10.4.3 Size may be adjusted, maintaining the aspect ratio.

10.4.4 Word Mark Examples:

NFRC™ NFRC™ NFRC™

11. USE BY NFRC RECOGNIZED AGENCIES

Inspection Agencies recognized by NFRC, as well as Simulation and Physical Testing Laboratories recognized by NFRC, are authorized to use the Mark and Word Mark based on the following:

11.1 **Inspection Agencies**

11.1.1 Shall be permitted to use the Mark and Word Mark to promote their recognition as an NFRC recognized service provider.

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11.1.2 Shall be permitted to use the Certification Marks for label examples and where they are providing labels to a participant with certification authorization for products active in the product directories, the Certified Products Directory (CPD) or Attachment Products Directory (APD).

Example labels using the Certification Marks shall be clearly marked as examples or somehow clearly identified as not for use on certified products.

11.1.3 NFRC recognized agencies shall not license or authorize the use of the Marks and Word Mark to any other entity.

11.2 **Simulation and Physical Testing Labs**

11.2.1 Shall be permitted to use the Mark and Word Mark to promote their recognition as an NFRC recognized service provider.

11.2.2 Shall be permitted to use the Mark and Word Mark in reports intended for use in obtaining NFRC certification.

11.2.3 NFRC recognized agencies shall not license or authorize the use of Marks and Word Mark to any other entity.

12. PRODUCT LABELING

12.1 **General Requirements**

12.1.1 Authorization to label and certify products through the PCP is available only to licensees in good standing and participation, through a valid agreement with NFRC.

12.1.2 Labels shall include ratings only for which product certification authorization has been granted for products manufactured at plant(s) registered with NFRC and part of an NFRC license agreement.

12.1.3 Labels shall enable tracing of the product to the product/product line ratings listed in the CPD, or the APD, and the location that they were packaged and labeled for distribution or consumer use.

12.1.4 The necessary NFRC information and ratings shall be included as a separate label or as part of a larger product label. If included on a larger product label, the label area designated for NFRC certification shall contain only the NFRC-specific information required for the product/product line and shall not indicate NFRC Certification of information not part of the PCP.

12.1.5 Label designs shall be reviewed and approved by the Licensee's IA prior to use to ensure compliance with all labeling requirements per this document.

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12.1.6 An NFRC Licensee shall ensure that only products for which it has been granted NFRC product certification authorization shall be labeled with a NFRC permanent label and/or a NFRC temporary label, based on the product specific labeling requirements in Sections 13 and 14.

12.1.7 Products not authorized for NFRC certification, even if rated following NFRC procedures, shall not be labeled or advertised as NFRC-certified.

12.1.8 Products shall not be considered NFRC-certified unless required permanent and temporary labels are affixed to products which link them to their listing within the CPD, or APD.

12.1.9 The energy performance ratings that are permitted to be displayed on the NFRC Temporary Label, Permanent Label, or in representation with NFRC certified products shall be as contained in the NFRC CPD, or APD.

12.1.10 Labels in Licensee's possession shall be available for inspection by NFRC or authorized representatives of NFRC.

12.2 **Suspension or Revocation**

12.2.1 Suspension or revocation of labeling may occur as a result of plant inspections or challenges defined in the Product Specific Requirements documents and the governing program requirement documents.

12.2.2 In cases where an authorization to label has been suspended or revoked based on a product/product line or licensee failure to meet the program requirements:

A. Licensee shall cease application of NFRC permanent and temporary certification labels to affected products
B. Licensee shall remove all references to the affected products within marketing materials and product literature, electronic and printed.
C. NFRC Staff shall remove the product information and ratings from public access in the CPD, or APD.

13. PERMANENT CERTIFICATION LABELS

The permanent label or mark provides essential information about certified fenestration products ensuring traceability and demonstrates compliance with NFRC's certification standards. For methods and technologies to apply a permanent label that do not comply with the following requirements, the manufacturer and IA shall present the drawing of the planned permanent label for NFRC review for

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approval.

13.1 **Application**

13.1.1 The permanent label shall be applied at the time and place of final product fabrication and prior to shipment.

Note: Applied films do not require a permanent label.

13.1.2 The permanent label shall be visible from the interior after product installation, or alternatively in a location, identified by the manufacturer, accessible to code officials, service providers, and owners.

13.1.3 The permanent label shall be in a location, or in a form that will not be damaged or become illegible due to normal weathering or manufacturer's recommended cleaning of the certified product.

13.2 **Label Form**

Permanent labels shall be in at least one of the following forms:

13.2.1 Label – A series of stand-alone labels which, alone or together, show all required permanent label information;

13.2.2 Tab – An extension or tab on an existing permanent certification label being used by the Licensee; or

13.2.3 Series of marks or etchings – A series of marks, etchings, or other indelible marks on the product which, alone or together, show all required permanent label information and which are affixed or located on the product to be visible after installation.

13.3 **Required information**

13.3.1 NFRC identification in the form of the Certification Mark or Word Mark.

13.3.2 Licensee's identification – Examples include but are not limited to: manufacturer name, NFRC Manufacturer Code (XYZ), or NFRC Manufacturer ID (001); and

13.3.3 The individual product line identification number(s) as assigned by NFRC or Manufacturer's Proprietary Product Code (MPPC) as generated by the Licensee. Bar coding may be included but shall not be used in lieu of the product line identification number(s) or MPPC(s).

13.4 **Optional information**

13.4.1 IA identification

13.4.2 Manufacturer product/model name or number and or product type as identified in the CPD.

13.4.3 Barcode or QR code directed to certified product line and

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ratings information.

13.4.4 The full CPD number, as identified in the NFRC CPD.

13.4.5 Manufacturer's trademark or logo.

13.5 Multiple Product Lines on Permanent Label

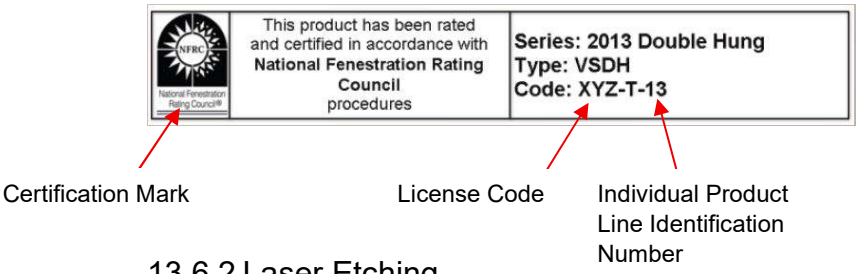
Multiple product lines may be listed on the permanent label when:All product line identification numbers listed on the permanent label are currently authorized for certification at the time of labeling, and meet one of the following requirements:

A. The product line identification numbers also include an MPPC or other permanent label(s) that allow the specific product to be traced to the NFRC Product Search; or

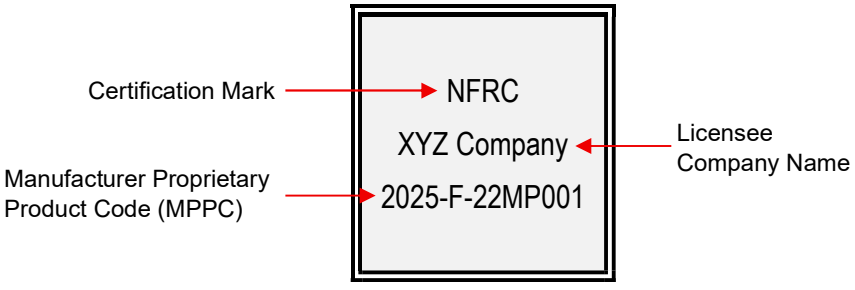
B. Product line identification numbers listed on a permanent label are grouped for validation purposes and differentiated by sight. Examples are casement, awning; door and sidelite; hung and slider; in-swing and out-swing; clad and un-clad; or operating and stationary versions of the same product type.

13.6 Permanent Label Example

13.6.1 Adhesive Label



13.6.2 Laser Etching



14. TEMPORARY CERTIFICATION LABELS

14.1 General Temporary Label Requirements

14.1.1 Temporary labels shall meet the following size requirements:

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A. Label width and/or height shall not be less than 3.75 in (95.25 mm)
B. The width shall be no greater than the height.

14.1.2 The following statements shall be added below the product ratings information on the temporary label:

A. Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and specific product size.
B. NFRC does not recommend any product and does not warrant the suitability of any product for any specific use. Consult Manufacturer's literature for other product performance information. www.nfrc.org

14.1.3 All temporary labels shall include the Certification Mark, as shown in Section 10.2 for products sold only in the US, or Section 10.3 for certified products sold in the US and Canada.

14.1.4 The temporary label shall be applied to the product or packaging at the time and place of final product fabrication and prior to shipment.

14.1.5 At the licensee’s discretion, it shall be permitted to include a copy of the temporary label for the fenestration product on the box/packaging for that product. If the licensee chooses this option, the copy of the temporary label shall meet the following conditions:

A. Shall not replace the permanent and temporary certification labels required above, and
B. Shall not be transferable/removable.

14.1.6 Re-prints of the temporary label shall only be allowed if all the following conditions are met:

A. The temporary label was removed prior to inspection at place of installation.
B. The label is required for code or regulatory compliance
C. The manufacturer is able to accurately identify the product line with the permanent label applied and the specific glazing option installed through the associated manufacturing and shipping records.

14.2 Formatting of Rated Values U.S./IP Values

14.2.1 U-Factor shall be reported to two (0.00) decimal places and shall be reported in U.S./IP values.

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14.2.2 Solar Heat Gain Coefficient (SHGC) shall be reported to two (0.00) decimal places.

14.2.3 Visible Transmittance (VT) shall be reported to two (0.00) decimal places.

14.2.4 Air Leakage ratings, if authorized, shall be reported as:

A. For Windows, Skylights and Sliding Doors, the only text allowed shall be:

- "≤ 0.3" where U.S./I-P. ratings are printed

B. For Swinging Doors, the only text allowed shall be:

- "≤ 0.3" or "≤ 0.5" where U.S./I-P. ratings are printed

14.2.5 Condensation Rating

Where applicable a participant may select and certify one of the following condensation ratings. When shown, the label must indicate which rating is displayed on the label.

A. Condensation Index rating shall be reported as a two-digit (00) whole number.
B. Condensation Resistance rating shall be reported as a two-digit (00) whole number.

14.2.6 For mandatory ratings where there is no technical rating procedure available, placeholders for additional future ratings, and ratings for which certification authorization has not been granted, dashes (-) shall be inserted in those locations to indicate that ratings are not available.

14.3 Use of Metric Values

Metric values shall be permitted to be included for U-Factor and Air Leakage.

The U.S/ IP values must be reported with the Metric/SI on the temporary label.

14.3.1 U-Factor

A. Where U-Factor is also to be reported in Metric/SI units, the U.S./IP value shall be multiplied by 5.678263 to obtain the Metric/SI value to be reported on the label.
B. U-Factor shall be reported to two (0.00) decimal places in the Metric/SI units

14.3.2 Air Leakage ratings, if authorized and printed on the label in Metric/SI units shall be reported alongside the U.S./IP units:

A. For Windows, Skylights and Sliding Doors, the only text

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allowed shall be:

II “≤ 1.5” where Metric/SI ratings are printed

B. For Swinging Doors, the only text allowed shall be:

III “≤ 1.5” or “≤ 2.5” where Metric/SI ratings are printed

15. PRODUCT SPECIFIC TEMPORARY LABELING REQUIREMENTS

15.1 Windows, Doors, and Skylights

Temporary labels for windows, doors, and skylights shall include:

15.1.1 Required Information

A. NFRC identification in the form of the appropriate Certification Mark as shown in Section 10.
B. Licensee’s identification – Examples include but are not limited to: manufacturer name, trademark, logo, or NFRC Licensee code
C. Full Certified Products Directory (CPD) identification
D. Frame Type
E. Product Type
F. Required ratings:

I U-factor.

II Solar Heat Gain Coefficient (SHGC).

III Visible Transmittance (VT)

G. Optional Ratings if certified:

I Air Leakage.

II Condensation Resistance or Condensation Index.

15.1.2 Optional Information

Temporary labels shall be permitted to contain the following optional information

A. Manufacturer Series Name/Model Number
B. Air Space width in IP and/or metric units
C. Glazing description
D. Coating Emissivity
E. Spacer type
F. Generic material type or spacer code from Certified Products Directory only
G. Manufacturers own product identification – up to 25 alpha

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numeric characters or barcodes, both linear and matrix 2D styles are permissible.

H. Glazing tint or reflective coating – generic color type or code as shown in the Certified Products Directory

- Examples: Green, Reflective, or GY

I. Presence of dividers if applicable

J. Manufacturer contact information

15.1.3 Label Examples

A. Standard Temporary Label with required values

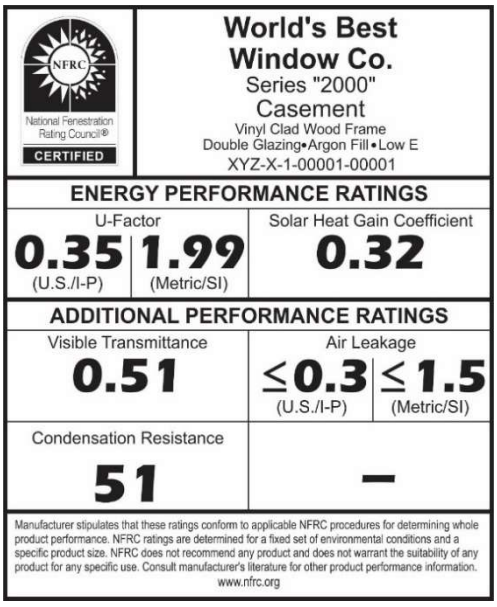


B. Label with Required, Optional, and Dashes as placeholders



C. The Use of Metric Units

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15.2 **Applied Films**

Temporary labels for applied films shall include the following:

15.2.1 Required Information:

A. NFRC identification in the form of the appropriate Certification Mark as shown in Section 10.

B. Licensee's identification – Examples include but are not limited to: manufacturer name, trademark, logo, or NFRC Licensee code

C. Full Attachment Products Directory (APD) identification.

D. Required ratings:

- l Interior Film:
  - i U-factor
  - ii Solar Heat Gain Coefficient (SHGC)
  - iii Visible Transmittance (VT)
- I. Exterior Films
  - i Solar Heat Gain Coefficient (SHGC)
  - ii Visible Transmittance (VT)

E. Optional Ratings, if certified:

- l None available for applied films

F. The statement "This rating uses reference product energy performance – actual product performance may vary".

15.2.2 Optional Information

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Temporary labels shall be permitted to contain the following optional information:

A. Manufacturer Series Name/Model Number
B. Manufacturers own product identification – up to 25 alpha numeric characters or barcodes, both linear and matrix 2D styles are permissible.
C. Manufacturer contact information

15.2.3 Label Examples

A. Temporary Label for “Interior” Applied Film Products



NFRC
APPLIED FILM
RATINGS

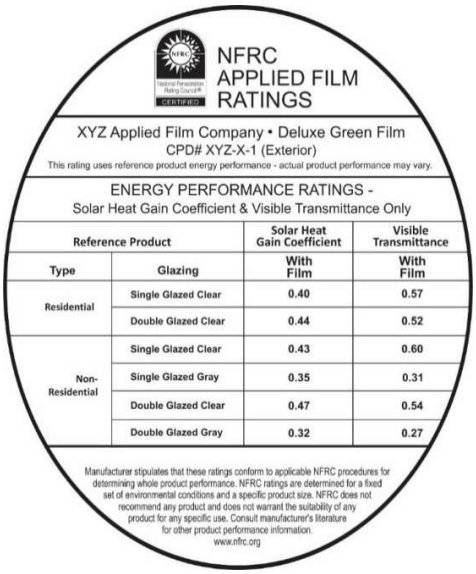
XYZ Applied Film Company • Deluxe Green Film
CPD# XYZ-X-1 (Interior)
This rating uses reference product energy performance - actual product performance may vary.

ENERGY PERFORMANCE RATINGS

Reference Product		U-Factor		Solar Heat Gain Coefficient		Visible Transmittance	
Type	Glazing	W/O Film	With Film	W/O Film	With Film	W/O Film	With Film
Residential	Single Glazed Clear	1.08	1.01	0.72	0.40	0.74	0.57
	Double Glazed Clear	0.70	0.67	0.64	0.44	0.67	0.52
Non-Residential	Single Glazed Clear	1.02	0.93	0.73	0.43	0.78	0.60
	Single Glazed Gray	1.02	0.93	0.52	0.35	0.39	0.31
	Double Glazed Clear	0.59	0.53	0.63	0.47	0.69	0.54
	Double Glazed Gray	0.59	0.53	0.41	0.32	0.35	0.27

Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. NFRC does not recommend any product and does not warrant the suitability of any product for any specific use. Consult manufacturer's literature for other product performance information.
www.nfrc.org

B. Temporary Label for “Exterior” Applied Film Products



NFRC
APPLIED FILM
RATINGS

XYZ Applied Film Company • Deluxe Green Film
CPD# XYZ-X-1 (Exterior)
This rating uses reference product energy performance - actual product performance may vary.

ENERGY PERFORMANCE RATINGS -
Solar Heat Gain Coefficient & Visible Transmittance Only

Reference Product		Solar Heat Gain Coefficient	Visible Transmittance
Type	Glazing	With Film	With Film
Residential	Single Glazed Clear	0.40	0.57
	Double Glazed Clear	0.44	0.52
Non-Residential	Single Glazed Clear	0.43	0.60
	Single Glazed Gray	0.35	0.31
	Double Glazed Clear	0.47	0.54
	Double Glazed Gray	0.32	0.27

Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. NFRC does not recommend any product and does not warrant the suitability of any product for any specific use. Consult manufacturer's literature for other product performance information.
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15.3 **Tubular Daylight Devices (TDD)**

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Temporary labels for TDD shall include:

Note: Temporary labels for TDD products shall be permitted to be provided along with the installation instruction and paperwork delivered with the product.

15.3.1 Required Information

A. NFRC identification in the form of the appropriate Certification Mark as shown in Section 10.
B. Licensee's identification – Examples include but are not limited to: manufacturer name, trademark, logo, or NFRC Licensee code
C. Full Certified Products Directory (CPD) identification.
D. Frame Type.
E. Product Type.
F. Thermal opening area based on the tested assembly per ANSI/NFRC 100
    I Value to be in X.XX m^2
G. Insulation location
    I. "Insulation at Roof"
    II. "Insulation at Ceiling"
H. Required ratings:
    I. U-factor.
    II. Solar Heat Gain Coefficient (SHGC).
    III. Visible Transmittance (VT)
I. Optional Ratings:
    I. Air Leakage

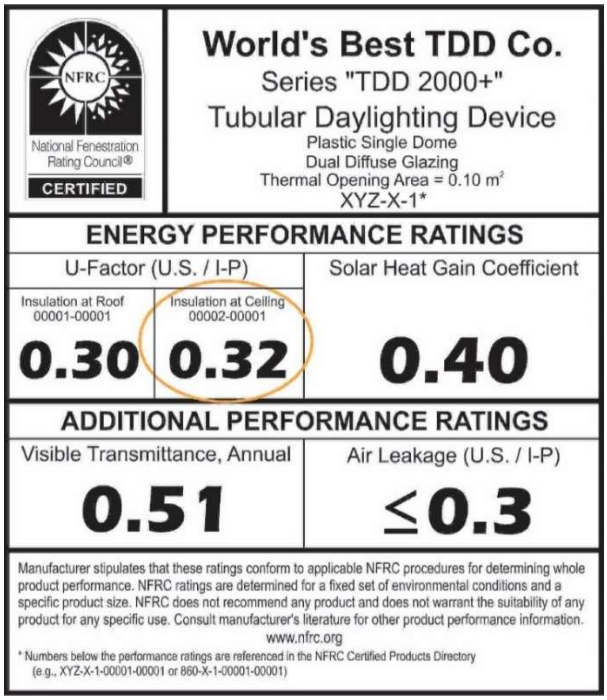
15.3.2 Temporary labels shall be permitted to contain the following optional information

A. Manufacturer Series Name/Model Number
B. Manufacturers own product identification – up to 25 alpha numeric characters or barcodes, both linear and matrix 2D styles are permissible.
C. Manufacturer contact information
D. Dome Type
E. Glazing configuration

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15.3.3 Label Examples

A. Temporary Label for TDD



B. Required Label Information for TDD (Single Insulation Shown)



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15.4 **Dynamic Glazing Products**

Temporary labels for dynamic glazing products shall include:

15.4.1 Required Information

A. NFRC identification in the form of the appropriate Certification Mark as shown in Section 10.
B. Licensee's identification – Examples include but are not limited to: manufacturer name, trademark, logo, or NFRC Licensee code
C. Full Certified Products Directory (CPD) identification
D. Frame Type
E. Product Type
F. Required ratings in On/Fully Closed and Off/Fully Open conditions:
    I. U-factor
    II. Solar Heat Gain Coefficient (SHGC)
    III. Visible Transmittance (VT)
G. Optional Ratings if certified:
    I. Air Leakage.
    II. Condensation Resistance or Condensation Index.

15.4.2 Optional Information

Temporary labels shall be permitted to contain the following optional information

A. Manufacturer Series Name/Model Number
B. Air Space width in IP and/or metric units
C. Glazing description
D. Coating Emissivity
E. Spacer type
    I. Generic material type or spacer code from Certified Products Directory only
F. Manufacturers own product identification – up to 25 alpha numeric characters or barcodes, both linear and matrix 2D styles are permissible.
G. Glazing tint or reflective coating – generic color type or code as shown in the Certified Products Directory
H. Presence of dividers if applicable
I. Manufacturer contact information

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15.4.3 Temporary Label for Dynamic Glazing Products



15.5 **Dynamic Attachment Products**

Temporary labels for dynamic attachment products shall include:

15.5.1 Required Information

A. NFRC identification in the form of the appropriate Certification Mark as shown in Section 10.
B. Licensee’s identification – Examples include but are not limited to: manufacturer name, trademark, logo, or NFRC Licensee code
C. Full Certified Products Directory (CPD) identification
D. Frame Type
E. Product Type
F. Required ratings in On/Fully Closed and Off/Fully Open conditions:
    I. U-factor
    II. Solar Heat Gain Coefficient (SHGC)
    III. Visible Transmittance (VT)
G. Optional Ratings if certified:
    I. There are no optional ratings for Dynamic Attachments.

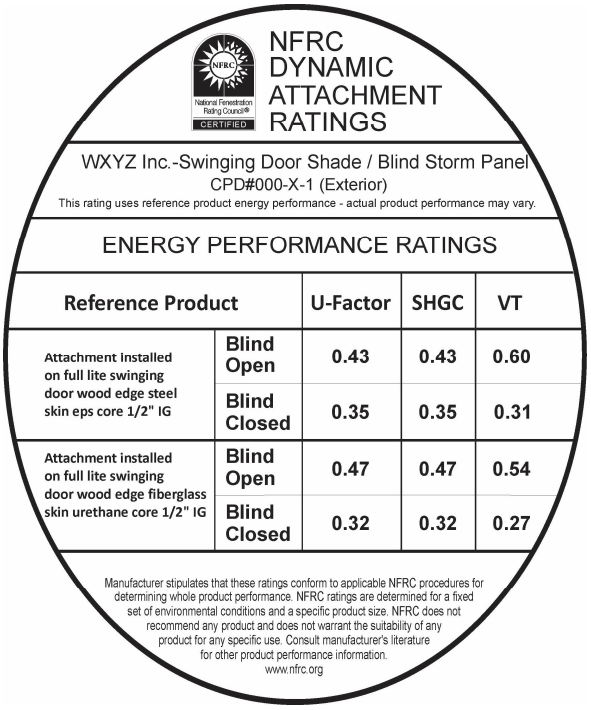
15.5.2 Optional Information

Temporary labels shall be permitted to contain the following optional information

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A. Manufacturer Series Name/Model Number
B. Air Space width in IP and/or metric units
C. Glazing description
D. Coating Emissivity
E. Spacer type
    I. Generic material type or spacer code from Certified Products Directory only
F. Manufacturers own product identification – up to 25 alpha numeric characters or barcodes, both linear and matrix 2D styles are permissible.
G. Glazing tint or reflective coating – generic color type or code as shown in the Certified Products Directory
    I. Examples: Green, Reflective, or GY
H. Presence of dividers if applicable
I. Manufacturer contact information

15.5.3 Temporary Label for Dynamic Attachment Product



(a) The Dynamic Attachment label shall indicate (as shown in Figure A-14) the Reference Product it is attached to as well as “Interior” or “Exterior” location of the attachment

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16. OTHER LABELING SITUATIONS

16.1 Site Built

An NFRC Label Certificate for site-built products may be used in lieu of the temporary and permanent label for site-built products, and shall be issued by NFRC. Each CPD Option utilized in a site-built project shall have an NFRC Label Certificate, which shall act in the capacity of an NFRC label.

16.1.1 The Label Certificate shall identify each system option, including the glazing type and operator type employed in the construction of the project. Each individual product shall have its own unique Label Certificate.

16.1.2 The Label Certificate shall follow the format below:

A. Label Certificates shall conform to the content and layout below.

B. Label Certificates shall contain (in the upper right- hand corner) the NFRC Temporary label, meeting the requirements of the temporary label requirements in this document.

C. Label Certificates shall contain all the NFRC Permanent Label information required, meeting the requirements of the temporary label requirements in this document.

D. Label Certificates shall contain the following project information:

I Street Address

II City, state, zip code

III Project name (optional)

IV Designer (optional)

16.1.3 Label Certificates shall contain the following product line information:

A. Operator type

B. Product line identification number

C. Individual product identification number

D. Number of individual products in the project (building)

E. Location of the individual products in the project (building)

F. Elevation page location in the architectural drawings

G. Fenestration (window and door) schedule page in the architectural drawings

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16.1.4 Label Certificates shall contain the following information for the frame material supplier, the glazing material supplier, and the glazing contractor/installer:

A. Company name
B. Street address
C. City, state, zip code
D. Number of contact person with phone and facsimile number

16.1.5 Label Certificates shall contain the name of the Independent Agency (IA) and the date that the Certification Authorization is issued and shall be signed in accordance with Section 6.

16.1.6 Label Certificate Example

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NFRC PRODUCT CERTIFICATION PROGRAM

NFRC Label Certificate for Site-Built Products



Project Location

Street Address: _____

City: _____ State: _____ Zip Code: _____

Project Name (Optional): _____ Designer (Optional): _____

Product Line Information

Operator Type (per Table 4-3 of ANSI/NFRC 100) _____

Product Line ID No. _____ Individual Product ID No. _____

How many of this individual product (sq.ft) _____ Location in building _____

Elevation drawing page _____ Fenestration (window & door) schedule page _____

Frame Material Supplier Company name: _____

City: _____ State: _____ Zip Code: _____

Street Address: _____

Contact: _____ Phone: _____ Fax: _____

Glazing Material Supplier Company name: _____

City: _____ State: _____ Zip Code: _____

Street Address: _____

Contact: _____ Phone: _____ Fax: _____

Glazing Contractor/Installer Company name: _____

City: _____ State: _____ Zip Code: _____

Street Address: _____

Contact: _____ Phone: _____ Fax: _____

Certification Authorization

Date Certificate Issued: _____

Independent Certification & Inspection Agency (IA): _____

Individual-in-Responsible-Charge (signature): _____

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16.2 **Composite Unit labeling**

Where a participant chooses to label a composite unit, the following applies:

16.2.1 Composite unit labeling shall use the worst performing U-Factor product within the composite unit for the temporary label

16.2.2 Each individual product contained within the composite unit shall have its associated permanent label

16.3 **Field Labeling**

Field labeling may be performed by the certification holder, with approval by their inspection agency, in the event that labels are damaged, missing, or removed improperly where a building official or authority having jurisdiction request products be labeled as NFRC Certified.

16.3.1 Request for Field labeling

When requesting field labeling, the licensee shall provide to the inspection agency (IA), responsible for the product line inspections of the associated product line, the following information:

A. The product line(s) and product option CPD number(s)
B. Quantity of each product requiring field labeling.
C. The project name and address where the products have been, or are to be, installed.
D. Confirmation that the products were labeled at the time and place of manufacturing, with both the temporary and permanent NFRC labels.
E. The reason for the request for field labeling.
F. The following paperwork allowing traceability of the product(s):
    I. Customer order acknowledgement.
    II. Production records for the product(s).
    III. Shipping records noting that the products in question were delivered to the project/address indicated.
    IV. Temporary and permanent label samples for the products to be field labeled.
G. The name and title of the licensee's authorized representative that will be performing the field labeling activities.

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16.3.2 Inspection Agency Review and Decision

The inspection agency shall review the information to determine if there is sufficient evidence to allow for field labeling of the product(s) in question.

A. If approved, the IA shall notify the licensee, in writing, of the approval and any additional requirements for the field labeling to occur.
   I. The IA does reserve the right to have one of their representatives on-site, with the licensee representative, during the field labeling activities.
   II. All costs for the IA review and on-site activities are the responsibility of the licensee.
B. If field labeling is denied, the IA shall notify the licensee, in writing, of the denial and reason for the denial.
C. Whether approved or denied, the IA shall forward the decision and any supporting information to NFRC Staff upon notification to the licensee.
D. Denial of field labeling requests may be appealed through the process defined in the governing program requirements.

17. TRANSLATIONS TO OTHER LANGUAGES

17.1 General Translation Requirements

17.1.1 All NFRC permanent and temporary certification labels shall be printed in English as the primary language.

A. In addition to English, labels shall also be permitted to be printed in other languages. Either combined with the English label or as a separate label alongside the English label, for which the translation has been authorized by NFRC.

17.1.2 Combine English and translated labels shall meet the size and the legibility requirements of this document.

17.1.3 In the event of a conflict between the translated label and the English label, the English label shall be regarded as the standard for the rated values and information presented.

17.1.4 Once a specific translation has been authorized by NFRC, that authorized translation shall be the only translation permitted to be used when a label utilizes that language.

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17.2 **Translated Examples**

17.2.1 Permanent Labels

17.2.2 Temporary Labels

A. Temporary Label for Dynamic Glazing Products with Metric Units, & English-French Combined



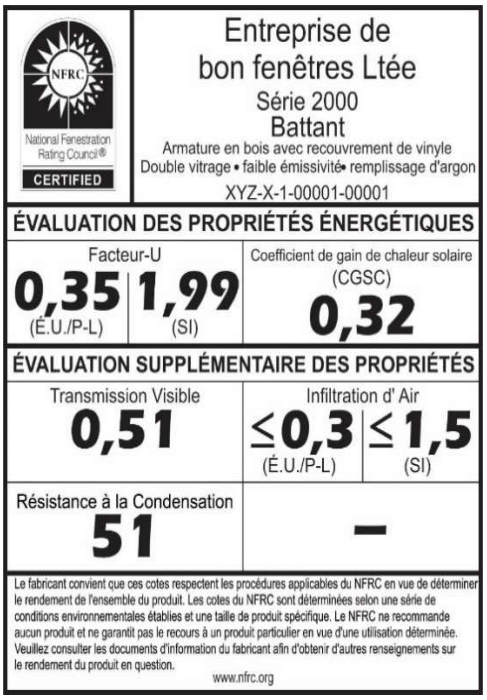
B. English-Spanish Combined



[NOTE: The labels in Sections 17.2.2 A and B shows the English text in black and the Non-English text in red. This is for illustrative purposes only. For actual product labels, there shall be no requirement for English text and non-English text to be in different colors.]

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C. Authorized French Translation



D. Authorized Spanish Translation



English-French Combined: The label in Figure A-13 shows the English text in black and the French text in red. This is for illustrative purposes only. For actual product labels, there shall be no requirement for English text and non-English text to be in different colors.

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18. REVISIONS

Document Revision Log				
Section	Revision	Review	Approval	Date Released
All	Approved by Board of Directors	RER	Board	04/02/2024
15.2	Removed Door Matrix Label based on Spring 2024 ballots	RER		
All	New document release			08/01/2024

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