



National Fenestration Rating Council Incorporated

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NFRC FenStar Certification Program Procedure for Application
for Certification of Product Lines

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FOREWORD

The FenStar™ Certification Program is the formal name of the Environmental Protection Agency (EPA)-recognized certification program that performs third-party conformity assessment activities for window, door and skylight products. Products are submitted for ENERGY STAR® certification after ratings have been certified by the NFRC Product Certification Program (PCP). Window, door and skylight products that are evaluated to meet ENERGY STAR requirements are officially certified as ENERGY STAR by the FenStar Certification Program.

The FenStar Certification Program is operated by the National Fenestration Rating Council Incorporated (NFRC). NFRC developed and operates a uniform rating system for energy and energy-related performance of windows, doors, and skylights. The FenStar Certification Program is available only to active licensees in the NFRC Product Certification Program (PCP).

Through the FenStar Certification Program, manufacturers shall demonstrate their products meet all applicable ENERGY STAR performance parameters prior to being labeled as ENERGY STAR certified. Further, the partner shall demonstrate, through verification testing, the product continues to meet the ENERGY STAR requirements to maintain its ENERGY STAR certification through the FenStar Certification Program.

If there are changes that affect the performance of the product with respect to the relevant ENERGY STAR program requirements, the partner shall report these changes to The FenStar Operations Staff.

Manufacturers authorize the FenStar Operations Staff to share the results of any relevant testing or product review with the EPA.

NFRC, specifically the FenStar Certification Program, is ANSI-accredited as a certification body to the ISO/IEC 17065 standard.

The following referenced documents are indispensable for the application of the FenStar Certification Program. The latest edition of the referenced document (including any amendments) applies. These are not auditable standards and are used solely for guidance.

- [NFRC 700: Product Certification Program](#). National Fenestration Rating Council: Greenbelt, MD; 2017. www.nfrc.org
- [ANSI/NFRC 100: Procedure for Determining Fenestration Product U-factors](#). National Fenestration Rating Council: Greenbelt, MD; 2017. www.nfrc.org
- [NFRC 102: Procedure for Measuring the Steady-State Thermal Transmittance of Fenestration Systems](#). National Fenestration Rating Council: Greenbelt, MD; 2017. www.nfrc.org
- [ANSI/NFRC 200: Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence](#). National Fenestration Rating Council: Greenbelt, MD; 2017. www.nfrc.org
- [ANSI/NFRC 400: Procedure for Determining Fenestration Product Air Leakage](#). National Fenestration Rating Council: Greenbelt, MD; 2017. www.nfrc.org
- ASTM E283 – 04(2012): Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen. ASTM International, West Conshohocken, PA, 2006, DOI: 10.1520/E0283-04R12.
- ENERGY STAR Directives:
https://www.energystar.gov/index.cfm?c=third_party_certification.tpc_directives

To participate in the Certification Programs, a Manufacturer/Responsible Party shall rate a product whose energy and energy-related performance characteristics are to be certified in accordance with mandatory NFRC rating procedures. At present, a Manufacturer/Responsible Party may elect to rate products for U-factor, Solar Heat Gain Coefficient (SHGC), Visible Transmittance (VT), Air Leakage (AL), Condensation Resistance, or any other procedure adopted by NFRC, and to include those ratings on the NFRC temporary label affixed to its products or on the NFRC Label Certificate. U-factor, SHGC, VT, AL, and condensation resistance rating reports shall be obtained from a laboratory that has been accredited by NFRC in accordance with the requirements of the NFRC 701.

The FenStar Certification Program evaluates products against the ENERGY STAR certification program requirements.

The FenStar Certification Program maintains a FenStar Program Certified Products Directory (FCPD), listing product lines and individual products selected by the Manufacturer/Responsible Party for which ENERGY STAR certification authorization has been granted.

NFRC owns all rights in and to all documents and procedures, which are a component of the FenStar Certification Program, as well as each of its registration marks, trade names, and other intellectual property.

For additional information on the roles of those entities associated with the NFRC PCP (IAs and laboratories, and operation of the IA Program and Accreditation Program), see the NFRC 700: Product Certification Program, NFRC 701: Laboratory Accreditation Program (LAP), and NFRC 702: Certification Agency Program (CAP) documents.

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DISCLAIMER

The use of the FenStar™ Certification Program as a Certification Body does not constitute a warranty by the NFRC or the FenStar Certification Program regarding the energy performance properties of windows, doors, and skylights. The rating indices are not an endorsement of, or recommendation for, any windows, doors, or skylights. The FenStar Certification Program is not a merchant in the business of selling windows, doors, or skylights, and therefore, cannot warrant products as to their merchantability or fitness for a particular use.

The FenStar Certification Program, therefore, disclaims any and all liability, including but not limited to, damages for personal or other injury, lost profits, lost savings or other consequential or incidental damages that may arise from or in connection with:

- A. services provided by, decisions made by, or reports issued or granted by any ENERGY STAR Partner;
- B. reliance on the FenStar Certification Program product description, specification, rating or test, whether appearing in a report, in a product Certificate of Authorization (CA) or a printed or electronic directory, or on a label; or
- C. the sale or use of the FenStar Certification Program certified windows, doors, or skylights.



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1. PROCEDURE FOR APPLICATION FOR CERTIFICATION OF PRODUCT LINES

The application for ENERGY STAR® Certification of product lines by the FenStar Certification Program is an automatic process dictated by completion of the following steps.

1.1 Submit or Maintain FenStar Certification Program License Agreement

The licensee shall submit or have on file a signed FenStar Certification Program License Agreement.

1.2 Completion and Maintenance Energy Star Product Line Identification Selections

The licensee shall complete and maintain product line selections on the Energy Star Product Line Identification ([PESI](#)) site. By clicking the designated block for each product, Licensee formally submits their application for certification. Products which have already been certified shall remain checked to signify that they are being labeled and otherwise manufactured in accordance with ENERGY STAR requirements. All products which are selected in the PESI are eligible for verification testing in accordance with testing levels set by ENERGY STAR.

If additional selections are made on PESI after initial certification, the licensee shall notify staff by email of the addition(s) in order to initiate certification of the product line.

1.3 Confirmation Email

Upon receipt of the initial request for certification of product lines or any additions requested by the licensee, staff shall respond via email to confirm the product lines for which certification is being requested. Staff shall obtain the initial request product lines list from the PESI. In the case of additional requests for certification, staff shall confirm the product lines indicated in the request are properly selected in PESI. The licensee shall notify staff of any corrections to the list and shall work with staff to ensure the PESI is correct. If no response to the email is received, staff shall proceed with the certification process after 5 business days; a non-response is considered confirmation for the purposes of this procedure.

1.4 Submit Documentation

Several pieces of documentation must be supplied by the licensee in order for staff to complete ENERGY STAR Certification of the requested product lines. The licensee shall be provided with a unique SharePoint folder containing a subfolder for each product line which is selected in PESI. The licensee shall provide the required items per FS-1104. Failure to supply the required documentation shall render the certification process incomplete.

1.5 Records

Records of certification shall be stored in the FenStar software application. Emails and documents required for certification shall be stored on the SharePoint document management site for each manufacturer.