NFRC's Window Film Certification and Labeling Program

Window film manufacturers are now able to certify their products' energy performance ratings according to the National Fenestration Rating Council (NFRC) certification process. Since NFRC's certification program provides an independent, third-party verification of window film performance, consumers can compare products in an apples-to-apples fashion and make informed choices based on their individual energy performance needs.

Benefits of Film Certification

- Increased credibility for the manufacturer and increased value to the consumer.
- Demonstrated commitment by window film manufacturers can show potential customers that they went the extra step to verify the energy performance of their products.
- A level playing field for manufacturers, whether large or small, so they can show their products' certified energy performance ratings.

NFRC's Certification Process

To earn NFRC certification, each participating manufacturer must follow the process outlined in NFRC's certification documents. Briefly, the process is as follows:

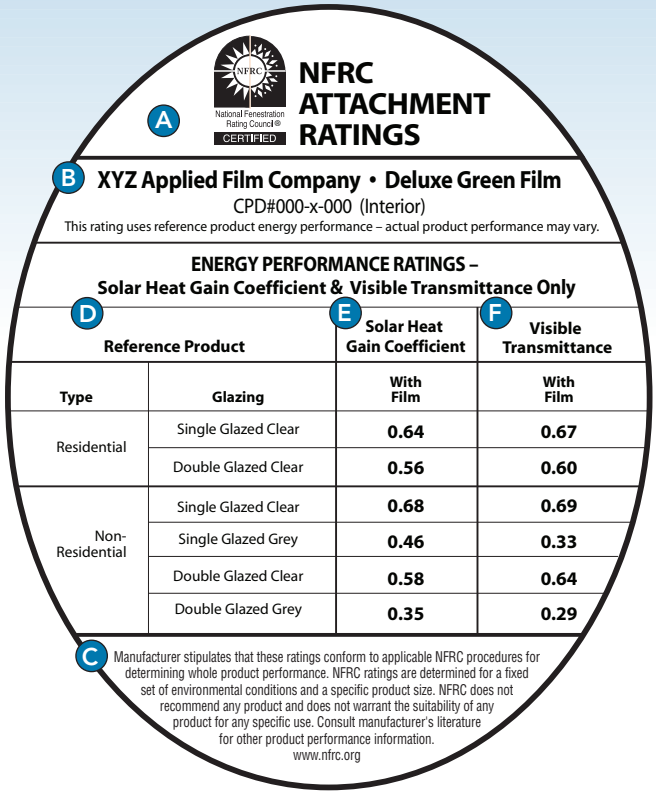
1. The film manufacturer contacts NFRC and requests certification authorization of its product(s).
2. NFRC sends a packet of information to the manufacturer, including an NFRC Applied Film Manufacturer License Agreement. The license agreement and associated documents must be signed and returned to NFRC before certification authorization may be generated.
3. The manufacturer must submit their film's optical properties for evaluation pursuant to NFRC's Verification Program for Optical Spectral Data (NFRC 302) and Lawrence Berkley National Laboratory's requirements.
4. The manufacturer contacts and chooses an NFRC-accredited simulation laboratory. The laboratory determines the product's energy performance ratings by using the Spectral Data file for computer simulation.
5. The manufacturer selects an NFRC licensed Certification and Inspection Agency (IA) to review the simulation results for accuracy and conduct an in-plant inspection of the manufacturing location. Once the IA has determined that all certification requirements have been met, it generates a Certification Authorization Report (CAR) to the film manufacturer. The manufacturer may now place the CAR's performance ratings values on the NFRC label to certify its product, which will be referenced in the NFRC *Certified Products Directory*. Certification authorization is valid for four years.

For More Information

NFRC has additional information for window film manufacturers on its Web site at www.nfrc.org. The site includes the NFRC Certified Products Directory, which will incorporate certified film ratings once manufacturers begin to use the program. If you need further information, please contact our offices in Maryland at 301-589-1776 or in Kansas at 785-862-1890.

NFRC administers an independent, uniform rating and labeling system for the energy performance of fenestration products, including windows, curtain walls, doors, skylights and attachments. For more information on NFRC, please visit our Web site at www.nfrc.org or contact NFRC directly at 301-589-1776.

NFRC's Window Film Energy Performance Label



NFRC ATTACHMENT RATINGS

XYZ Applied Film Company • Deluxe Green Film

CPD#000-x-000 (Interior)

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	0.64	0.67
	Double Glazed Clear	0.56	0.60
Non-Residential	Single Glazed Clear	0.68	0.69
	Single Glazed Grey	0.46	0.33
	Double Glazed Clear	0.58	0.64
	Double Glazed Grey	0.35	0.29

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

A This mark indicates that the product's energy performance has been rated and certified in accordance with NFRC's certification process.

B This area is reserved for the name of the manufacturer and the product.

C This space provides details about NFRC's rating procedures.

D Consumers, building officials and others should use the information in the **Reference Product** columns to choose the glazing system that most closely matches the product on which the film is applied.

E **Solar Heat Gain Coefficient** (SHGC) measures how well a product blocks heat from the sun. SHGC is expressed as a number between 0 and 1. The lower the SGHC, the better a product is at blocking heat gain. Blocking solar heat gain is particularly important during the summer cooling season and in southern climates.

F **Visible Transmittance** (VT) measures how much light comes through a product. VT is expressed as a number between 0 and 1. The higher the VT, the higher the potential for daylighting.

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