

BASE YOUR WINDOW BUYING DECISION ON PERFORMANCE RATINGS



NFRC PERFORMANCE LABELS
AND
WHAT DO THE NUMBERS MEAN ?

WHO IS NFRC ?

NFRC (NATIONAL FENESTRATION RATING COUNCIL) IS AN INDEPENDENT NON-PROFIT ORGANIZATION THAT HAS A UNIFORM SET OF STANDARDS THAT ALL WINDOW MANUFACTURERS MUST FOLLOW IN ORDER TO BE AUTHORIZED TO LABEL THEIR WINDOW PRODUCTS. EVERY WINDOW MANUFACTURER MUST FOLLOW THESE SAME GUIDELINES FOR CERTIFICATION, TESTING, AND LABELING. THAT WAY YOU, THE CONSUMER CAN ACCURATELY COMPARE APPLES TO APPLES SO TO SPEAK. THE CONSUMER CAN ACCURATELY COMPARE THE ENERGY PERFORMANCE RATINGS OF WINDOWS FROM SEVERAL DIFFERENT MANUFACTURERS AND HAVE A FAIR AND CREDIBLE PERFORMANCE RATING YOU CAN TRUST SO THAT YOU CAN FEEL CONFIDENT IN YOUR WINDOW PURCHASE DECISION.



WHAT ARE NFRC PERFORMANCE LABELS ?


	Duralite Aluminum Products, Inc. Series #7720 Vinyl Frame Double Glazing • Argon • Low E Product Type: Vertical Slider DAP-A-2-09006-0001
ENERGY PERFORMANCE RATINGS	
U-Factor (U.S./I-P) 0.28	Solar Heat Gain Coefficient 0.18
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance 0.30	Condensation Resistance 61
<small>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</small>	

NFRC LABELS, LIKE THE ONE SHOWN ON THE LEFT TELLS THE CONSUMER WHAT THEY CAN EXPECT IN PERFORMANCE AND ENERGY SAVINGS FROM THEIR NEW WINDOWS. JUST LIKE WHEN YOU BUY A NEW VEHICLE, YOU ALWAYS LOOK FOR THE EPA FUEL CONSUMPTION LABEL ON THE WINDOW TO KNOW WHAT TO EXPECT IN FUEL CONSUMPTION. IT'S THE SAME CONCEPT WITH THE NFRC LABELS ON YOUR NEW WINDOWS, FOR YOU TO BE ABLE TO MAKE A SMART AND INFORMED DECISION AND GET THE BEST VALUE FOR YOUR HARD EARNED MONEY.

WHAT DO THE NUMBERS MEAN ?

U-FACTOR:


U-FACTOR IS ALSO KNOWN AS THERMAL TRANSMISSION. IT IS A MEASURE OF THE RATE OF HEAT LOSS THROUGH A PRODUCT. THEREFORE, THE LOWER THE U-FACTOR, THE LOWER THE AMOUNT OF HEAT LOSS. IN WARM CLIMATES, WHERE COOLING BILLS ARE A MAJOR CONCERN, CHOOSING WINDOWS WITH LOWER U-FACTORS WILL REDUCE THE AMOUNT OF COOL AIR THAT ESCAPES THROUGH A WINDOW FROM INSIDE YOUR HOUSE TO THE OUTSIDE. IN COLD CLIMATES, WHERE HEATING BILLS ARE A MAJOR CONCERN, CHOOSING WINDOWS WITH LOWER U-FACTORS WILL REDUCE THE AMOUNT OF HEAT THAT ESCAPES THROUGH A WINDOW FROM INSIDE YOUR HOUSE TO THE OUTSIDE.

 National Fenestration Rating Council® CERTIFIED	Duralite Aluminum Products, Inc. Series #7720 Vinyl Frame Double Glazing • Argon • Low E Product Type: Vertical Slider DAP-A-2-00006-00001
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ADDITIONAL PERFORMANCE RATINGS	
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WHAT DO THE NUMBERS MEAN ?

SOLAR HEAT GAIN COEFFICIENT:

THE SOLAR HEAT GAIN COEFFICIENT, ALSO KNOWN AS SHGC, MEASURES THE RATE OF HEAT GAIN THROUGH A PRODUCT. THEREFORE, THE LOWER THE SHGC, THE LOWER THE AMOUNT OF SOLAR HEAT GAIN. IN HOT CLIMATES, WHERE AIR CONDITIONING BILLS ARE A MAJOR CONCERN, CHOOSING WINDOWS WITH LOWER SHGC WILL REDUCE THE AMOUNT OF HEAT THAT COMES IN THROUGH YOUR WINDOWS FROM THE OUTSIDE.

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VISIBLE TRANSMITTANCE (VT):


IS AN OPTICAL PROPERTY THAT INDICATES THE AMOUNT OF VISIBLE LIGHT TRANSMITTED. THE NFRC'S VT IS A WHOLE WINDOW RATING AND INCLUDES THE IMPACT OF THE FRAME WHICH DOES NOT TRANSMIT ANY VISIBLE LIGHT. WHILE VT THEORETICALLY VARIES BETWEEN 0 AND 1, MOST VALUES AMONG DOUBLE- AND TRIPLE-PANE WINDOWS ARE BETWEEN 0.30 AND 0.70. THE HIGHER THE VT, THE MORE LIGHT IS TRANSMITTED. A HIGH VT IS DESIRABLE TO MAXIMIZE DAYLIGHT.

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CONDENSATION RESISTANCE FACTOR (CRF):

IS A NUMERICAL INDEX GENERALLY IN THE RANGE OF 30 – 80 FOR CONVENTIONALLY GLAZED FENESTRATION PRODUCTS. THE LARGER THE CRF NUMBER THE GREATER THE RESISTANCE TO CONDENSATION. IN THE PAST, AAMA DEFINED A CRF RATING OF 35 AS THE MINIMUM FOR A THERMALLY IMPROVED WINDOW OR DOOR. THE CRF FOR THE PRODUCT IS DETERMINED BY THE LOWER OF EITHER THE WEIGHTED FRAME TEMPERATURE OR THE AVERAGE GLAZING TEMPERATURE.

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