



North Bay Village

1666 Kennedy Causeway, Suite 101 North Bay Village, FL 33141
 Tel: (305) 754-6740 Fax: (305) 756-7722 Website: www.northbayvillage-fl.gov

PROVISIONS OF FLORIDA BUILDING CODE – ENERGY CONSERVATION 6TH EDITION (2017) DEALING WITH WINDOW REPLACEMENTS

All permit applications for window & door installations received after June 30th, 2015 will be required to meet the provisions of the Florida Building Code – Energy Conservation, Section R402.1.2 which state for a house:

- R402.1.2 Insulation and fenestration criteria: The *building thermal envelope* shall meet the requirements of Table R402.1.2, based on the climate zone specified in Chapter 3.

Table R401.1.2 shows:


Climate Zone	Fenestration U-Factor ^{b, j}	Skylight ^b U-Factor	Glazed Fenestration SHGC ^{b, e}
1	NR	.75	.25

Each window unit must meet the values shown on the table. Including with the permit application, besides the NOA from Miami Dade County, or the State of Florida, there will be an additional requirement to submit a test report from the National Fenestration Rating Council (NFRC), this is different from the NOA. Plan review for retrofits will be based on the prescriptive method, while plan review for new construction can be based on performance based compliance and would include submittal of compliance report utilizing a software program approved under Florida Building Code – Energy Conservation, Section R405.4 for single family homes. When the Building Inspector comes out for the scheduled inspection, the approved plans, including the test report or the compliance report, must be onsite and the WINDOW CERTIFICATION LABEL MUST REMAIN ON ALL THE WINDOWS.

If the label is not on the window, the inspection cannot be approved.

An Example of the NFRC Label You Should Look for and the Numbers You May See

U-factor U-factor ratings generally fall between 0.20 and 1.20. The lower the U-factor, the better a product is at keeping heat in. U-factor is particularly important during the winter heating season. This label displays U-factor in U.S. units. Labels on products sold in markets outside the United States may display U-factor in metric units.



World's Best Window Co.
 Series "2000"
 Casement
 Vinyl Clad Wood Frame
 Double Glazing • Argon Fill • Low E
 ABC-X-1-00001-00001

Solar Heat Gain Coefficient (SHGC) is expressed as a number between 0 and 1. The lower the SHGC, the better a product is at blocking unwanted heat gain. Blocking solar heat gain is particularly important during the summer cooling season.

ENERGY PERFORMANCE RATINGS	
U-Factor (U.S. / I-P)	Solar Heat Gain Coefficient
0.35	0.32

Visible Transmittance (VT) is expressed as a number between 0 and 1. The higher the VT, the higher the potential for daylighting.

ADDITIONAL PERFORMANCE RATINGS

Visible Transmittance	Air Leakage (U.S. / I-P)
0.51	0.2

Air Leakage (AL) rates typically fall in a range between 0.1 and 0.3. The lower the AL, the better a product is at keeping air out. AL is an optional rating, and manufacturers may choose not to include it on their labels. This label displays AL in U.S. units. Labels on products sold in markets outside the United States may display AL in metric units.

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