

**INTERPRETATION IC 90.1-2004-26 OF
ANSI/ASHRAE/IESNA STANDARD 90.1-2004
Energy Standard for Buildings Except Low-Rise Residential Buildings**

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Request from: Dennis Knight (dknight@liollo.com), Liollo Architecture, 147 Wappoo Creek Drive, Suite 400, Charleston, SC 29412.

Reference: This request for interpretation refers to the requirements presented in ANSI/ASHRAE/IESNA Standard 90.1-2004, Sections 5.8.2, 5.8.2.1 and 5.8.2.2, regarding fenestration rating and labeling.

Background: Section 5.8.2.1 of 90.1-2004 requires that the U-factor, solar heat gain coefficient (SGHC), and the air leakage rate for all manufactured fenestration products be determined by a laboratory accredited by a nationally recognized accreditation organization, such as the National Fenestration Rating Council (NFRC). Section 5.8.2.2 requires that all manufactured fenestration products have a permanent nameplate listing these items.

A state code official stated that Standard 90.1 requires an NFRC label on all fenestration products. NFRC does not provide labeling but is in fact one example of a nationally recognized accreditation organization that is authorized to accredit the independent laboratory performing the ratings. Labeling fenestration products with the U-factor, solar heat gain coefficient (SGHC), and the air leakage rate is the responsibility of the manufacturer.

Interpretation: I interpret Standard 90.1 to mean the manufacturer must provide labels on all fenestration products and that the ratings included on those labels be determined by an independent accredited laboratory, not specifically the NFRC.

Question: Is this interpretation correct?

Answer:

Question 1: I interpret Standard 90.1 to mean the manufacturer must provide labels on all fenestration products:

Answer 1: No, in accordance with Section 5.8.2.2, in lieu of the manufacturer providing labels, an installer or supplier can provide signed and dated certification of the U-factor, SHGC, and air leakage rates.

Question 2: I interpret Standard 90.1 to mean the ratings included on those labels be determined by an independent accredited laboratory, not specifically the NFRC:

Answer 2: Yes, in accordance with 5.8.2.1, the ratings on the certification or the label shall be provided by any laboratory accredited by nationally recognized accreditation organization, not specifically accredited by the NFRC.