



Memorandum of Policy

Building Codes

From: Mike Metheny

Date: May 10, 2018

Revised:

Date: June 1, 2020

Subject: Fenestration U-factor Documentation

The following are acceptable methods under the IECC to verify fenestration U-factors as part of the building thermal envelope:

1. NFRC certification, factory assembled: NFRC label applied to window assembly and verified at field inspection.
2. NFRC certification, site assembled: provide an NFRC CPD number or certificate of authorization from an NFRC authorized inspection agency prior to permit approval. To document the chain of custody, project specific NFRC labels must be affixed to the units or a project specific NFRC label certificate must be provided prior to field inspection.
3. Provide a simulation or test by an NFRC-accredited lab in accordance with NFRC-100 prior to permit approval. To document the chain of custody, an affidavit or other evidence from the manufacturer confirming compliance with the simulation or test is required prior to field inspection.
4. Provide a calculation using 2013 (or later) ASHRAE Fundamentals Handbook chapter 15, pg. 15.3: "U-Factor (Overall Coefficient of Heat Transfer)" prior to permit approval. Calculation is required to be in the standard NFRC window size of 47.2" x 47.2". To document the chain of custody, an affidavit or other evidence from the manufacturer confirming compliance with the calculation is required prior to field inspection.
5. Use default values from Table 4 U-Factors for Various Fenestration Products in 2013 (or later) ASHRAE Fundamentals Handbook chapter 15, pg. 15.3 prior to permit approval. To document the chain of custody, an affidavit or other evidence from the manufacturer confirming compliance with the values is required prior to field inspection.
6. Use default values from IECC tables in chapter 3 of the residential and commercial sections.