ADDENDA

ANSI/ASHRAE/IES Addendum al to
ANSI/ASHRAE/IES Standard 90.1-2013

Energy Standard for Buildings Except Low-Rise Residential Buildings

Approved by the ASHRAE Standards Committee on January 23, 2016; by the ASHRAE Board of Directors on January 27, 2016; by the IES Board of Directors on December 31, 2015; and by the American National Standards Institute on February 24, 2016.

This addendum was approved by a Standing Standard Project Committee (SSPC) for which the Standards Committee has established a documented program for regular publication of addenda or revisions, including procedures for timely, documented, consensus action on requests for change to any part of the standard. The change submittal form, instructions, and deadlines may be obtained in electronic form from the ASHRAE website (www.ashrae.org) or in paper form from the Senior Manager of Standards.

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FOREWORD

This proposal establishes air leakage criteria for metal coiling doors where previously there were no criteria.

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~strikethrough~~ (for deletions) unless the instructions specifically mention some other means of indicating the changes.

Addendum al to 90.1-2013

Modify the standard as follows (IP and SI Units)

5.4.3.2 Fenestration and Doors. Air leakage for fenestration and doors shall be determined in accordance with AAMA/WDMA/CSA 101/I.S.2/A440, NFRC 400, or ASTM E283 as specified below. Air leakage shall be determined by a laboratory accredited by a nationally recognized accreditation organization, such as the National Fenestration Rating Council, and shall be labeled and certified by the manufacturer. Air leakage shall not exceed:

a. 1.0 cfm/ft^2 for glazed swinging entrance doors and revolving doors, tested at a pressure of at least 1.57 psf in accordance with AAMA/WDMA/CSA 101/I.S.2/A440, NFRC 400, or ASTM E283;
b. 0.06 cfm/ft^2 for curtainwall and storefront glazing, tested at a pressure of at least 1.57 psf or higher in accordance with NFRC 400 or ASTM E283;
c. 0.3 cfm/ft^2 for unit skylights having condensation weepage openings, tested at a pressure of at least 1.57 psf in accordance with AAMA/WDMA/CSA 101/I.S.2/A440 or NFRC 400, or 0.5 cfm/ft^2 tested at a pressure of at least 6.24 psf in accordance with AAMA/WDMA/CSA 101/I.S.2/A440;
d. 1.3 cfm/ft^2 for nonswinging doors intended for vehicular access and material transportation, with a minimum opening rate of 32 in./s, tested at a pressure of at least 1.57 psf or higher in accordance with ANSI/DASMA 105, NFRC 400, or ASTM E283.
e. 0.4 cfm/ft^2 for other nonswinging opaque doors, glazed sectional garage doors, and upward acting nonswinging glazed doors tested at a pressure of at least 1.57 psf or higher in accordance with ANSI/DASMA 105, NFRC 400, or ASTM E283; and
f. 0.2 cfm/ft^2 for all other products tested at a pressure of at least 1.57 psf in accordance with AAMA/WDMA/CSA 101/I.S.2/A440 or NFRC 400, or 0.3 cfm/ft^2 tested at a pressure of at least 6.24 psf in accordance with AAMA/WDMA/CSA 101/I.S/A440.

Exceptions:

1. Field-fabricated fenestration and doors
2. Air leakage shall not exceed 1.0 cfm/ft^2 (7.3 m^3/h×m^2) when tested at a pressure of at least 1.57 psf (75 Pa) or higher in accordance with ANSI/DASMA 105, NFRC 400, or ASTM E283 for m~~M~~etal coiling doors in semiheated spaces in Climate Zones 1 through 6.
3. Products in buildings that comply with a whole building air leakage rate of 0.4 cfm/ft^2 (under a pressure differential of 0.3 in. H_2O, 1.57 psf) when tested in accordance with ASTM E 779

POLICY STATEMENT DEFINING ASHRAE'S CONCERN FOR THE ENVIRONMENTAL IMPACT OF ITS ACTIVITIES

ASHRAE is concerned with the impact of its members' activities on both the indoor and outdoor environment. ASHRAE's members will strive to minimize any possible deleterious effect on the indoor and outdoor environment of the systems and components in their responsibility while maximizing the beneficial effects these systems provide, consistent with accepted Standards and the practical state of the art.

ASHRAE's short-range goal is to ensure that the systems and components within its scope do not impact the indoor and outdoor environment to a greater extent than specified by the Standards and Guidelines as established by itself and other responsible bodies.

As an ongoing goal, ASHRAE will, through its Standards Committee and extensive Technical Committee structure, continue to generate up-to-date Standards and Guidelines where appropriate and adopt, recommend, and promote those new and revised Standards developed by other responsible organizations.

Through its *Handbook*, appropriate chapters will contain up-to-date Standards and design considerations as the material is systematically revised.

ASHRAE will take the lead with respect to dissemination of environmental information of its primary interest and will seek out and disseminate information from other responsible organizations that is pertinent, as guides to updating Standards and Guidelines.

The effects of the design and selection of equipment and systems will be considered within the scope of the system's intended use and expected misuse. The disposal of hazardous materials, if any, will also be considered.

ASHRAE's primary concern for environmental impact will be at the site where equipment within ASHRAE's scope operates. However, energy source selection and the possible environmental impact due to the energy source and energy transportation will be considered where possible. Recommendations concerning energy source selection should be made by its members.

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