ANSI/RESNET/ICC 380—2025
Standard for Testing Airtightness of Building, Dwelling Unit, and Sleeping Unit Enclosures; Airtightness of Heating and Cooling Air Distribution Systems; and Airflow of Mechanical Ventilation Systems

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SPECIAL NOTE

This ANSI/RESNET/ICC Standard is a voluntary consensus standard developed under the auspices of the Residential Energy Services Network (RESNET) in accordance with RESNET's *Standards Development Policy and Procedures Manual*, Version 3.1, July 9, 2023. RESNET is an American National Standards Institute (ANSI) Accredited Standards Developer. Consensus is defined by ANSI as "substantial agreement reached by directly and materially affected interest categories." This signifies the concurrence of more than a simple majority but not necessarily unanimity. Consensus requires that all views and objections be considered and that an effort be made toward their resolution. Compliance with this standard is voluntary until a legal jurisdiction makes compliance mandatory.

RESNET obtains consensus through participation of its national members, associated societies and public review.

This is the fourth edition of the standard, which is under continuous maintenance in accordance with Section 10.9 of the *RESNET Standard Development Policy and Procedures Manual*. Continuous maintenance proposals should be submitted to the Manager of Standards via the online form on the RESNET website. The procedures manual and online forms for submitting continuous maintenance proposals and requests for interpretation can be accessed from the website at https://www.resnet.us/-about/standards/resnet-ansi/ on the page titled "RESNET®-ANSI AMERICAN NATIONAL STANDARDS."

The Manager of Standards should be contacted for:

1. Interpretation of the contents of this standard.
2. Participation in the next review of this standard.
3. Offering constructive criticism for improving this standard.
4. Permission to reprint portions of this standard.

FOREWORD (INFORMATIVE)

Standard 380 has been developed to provide a consensus national standard for consistent measurement of several air-flow related building metrics. It builds on existing American National Standards to provide standard procedures essential to the evaluation of the energy performance of *residential buildings* as well as *dwelling units* and *sleeping units* within r*esidential* or *commercial buildings*.

This standard provides a consistent, uniform methodology for evaluating the airtightness of building, *dwelling unit and sleeping unit* enclosures; heating and cooling air distribution systems; and the air flows of mechanical *ventilation* systems. These test procedures can be used as diagnostics, in quality assurance and control, for determining compliance with codes and standards, and for determining inputs to energy simulations and ratings. The standard recognizes that some test procedures are easier to perform depending on building and *HVAC system* characteristics and that different codes and standards have specific testing requirements. Therefore, the standard presents several alternative approaches for each measurement to allow flexibility in application of the standard.

Requirements for recording, documenting and reporting how the tests established by this standard are conducted and the test results shall be those established by the adopting entities.

This standard is under continuous maintenance pursuant to RESNET's ANSI-accredited *Standards Development Policy and Procedures Manual*. Forms and procedures for submitting change proposals may be found on RESNET's website at https://www.resnet.us/about/standards/resnet-ansi/. Public review of proposed addenda and updates are announced in the ANSI *Standards Action* and emails are sent to parties on RESNET's mailing list. Interested parties can register at the "standards" section of RESNET's website. Public review drafts and comment forms are posted on RESNET's website. Approved standards and addenda are published on and accessed from RESNET's website.

This standard contains both normative and informative material. Normative materials make up the body of the standard and must be complied with to conform to the standard. Informative materials are clearly marked as such, are not mandatory and are limited to this foreword, footnotes, references and annexes.

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