



Code Amendment Proposal Application

Department of Consumer & Business Services

Building Codes Division

1535 Edgewater NW, Salem, Oregon

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Oregon.gov/bcd

Read the entire code amendment proposal application before completing this form. Please complete all parts before submitting your proposal and refer to the provided checklist.

APPLICANT INFORMATION

| | | |
|--|-----------|------------------------|
| Name: Steve Strawn | | Date: 08-17-2022 |
| Representing (if applicable): JELD-WEN Inc | | Work phone: 5037324425 |
| Mailing address: 15190 Clackamas River Drive | | Cell phone: 5037324425 |
| City: Oregon City | State: OR | Zip: 97045 |
| Email address: sstrawn@jeldwen.com | | |

PROPOSAL INFORMATION

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| Specialty code: Oregon Residential Specialty Code |
| Code section(s): N1104.4.3 Air leakage requirements |
| Briefly explain the subject of your proposal: Clarify and update the fenestration airleakage requirements consistent with the IECC |

INSTRUCTIONS AND CHECKLIST

Fill in all the information above and submit this page, signed and dated, with the required supplementary information for Parts I, II, III, and IV described on page 2 of this application. This application may be submitted by mail to the mailing address above, or by email to BCD.PTSPtech@oregon.gov.

Summary checklist for the applicant:

- Part I** Code amendment language is attached in the proper format.
- Part II** Amendment proposal requirements for amending the code have been reviewed.
- Part III** Amendment proposal criteria questions have been answered and are attached.
- Part IV** If applicable, additional ORSC energy efficiency amendment proposal information is attached.

Note: One application is required for each code section you are proposing to amend. If this proposal requires changes in other sections of the code for alignment, include those changes as part of this application.

APPLICANT SIGNATURE

Signature:

Date: 08-19-2022

Copyright notice: By signing this Code Amendment Proposal Application, I understand and acknowledge that the work contained in this application is original, or if not original, I have the right to copy the work. By signing this work, I understand that any rights I may have in this work, including any form of derivative works and compilations, are assigned to the Department of Consumer and Business Services Building Codes Division. I also understand that I do not retain or acquire any rights once this work is used in a Department of Consumer and Business Services Building Codes Division publication.

~~N1104.4.3 Air leakage requirements.~~

~~Air infiltration rates for all exterior windows, swinging doors and sliding glass doors shall be certified in accordance with ASTM E283, Standard Test Methods for Rate of Air Leakage through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Differences Across the Specimen. Tests shall be conducted at a differential pressure of 1.57 pounds per square foot (75 Pa) [equivalent to 25 mph (40 km/h) wind condition].~~

- ~~1. Windows—0.37 cubic feet per minute (cfm) per foot (0.17 L/s per m²) of sash crack.~~
- ~~2. Swinging doors—0.37 cfm per square foot (0.17 L/s per m²) of door area.~~
- ~~3. Sliding doors—0.37 cfm per square foot (0.17 L/s per m²) of door area.~~

~~Exception: Site-built windows.~~

N1104.4.3 Fenestration air leakage.

Windows, skylights and sliding glass doors shall have an air infiltration rate of not greater than 0.3 cfm per square foot (1.5 L/s/m²), and for swinging doors, not greater than 0.5 cfm per square ft (2.6 L/s/m²) when tested in accordance with NFRC 400-2020 or AAMA/WDMA/CSA 101/I.S.2/A440-17 by an accredited, independent laboratory and listed and labeled by the manufacturer.

Exception: Site-built windows, skylights and doors.

Reason: Products tested in accordance with the standards listed, NFRC 400-20 or AAMA/WDMA/CSA 101/I.S.2/A440-17, use the ASTM E283 standard test method as a basis for determining air leakage rates and provides comparable results. Maximum air leakage (infiltration) allowed is 0.3 cfm per square foot (1.5 L/s/m²), for windows, sliding glass doors and skylights is an improvement from the currently allowed performance. The change is intended to provide consistency with the IECC. This proposed language has been in the IECC since the 2006 edition. This allowable fenestration air infiltration rate has been in the IECC since the 2000 edition.

Cost impact: There is no additional cost of construction that would result from this proposed amendment.