



Swinging Door Standards And Performance For Housing

The Building Standards Department issues Builder Tips as part of our customer service program. They are designed to provide an improved understanding of the Building Code and to reduce the costs associated with correcting infractions. Please contact your area building inspector for further information or call the Building Standards Department at 905.475.4848 extension 2189

9.7.4. Manufactured Windows, Doors and Skylights

9.7.4.1. Application

(1) This Subsection applies to windows, doors and skylights covered in the scope of AAMA/WDMA/CSA101/I.S.2/A440, “North American Fenestration Standard/Specification for Windows, Doors, and Skylight” (Harmonized Standard).

9.7.4.2. General

(1) Manufactured and pre-assembled windows, doors and skylights and their installation shall conform to

(a) AAMA/WDMA/CSA 101/I.S.2/A440, “North American Fenestration Standard/Specification for Windows, Doors, and Skylights” (Harmonized Standard)

(b) CSAA440S1, “Canadian Supplement to AAMA/WDMA/CSA 101/I.S.2/A440-17, “North American Fenestration Standard/Specification for Windows, Doors, and Skylights”

(c) the remainder of this Subsection, and

(d) the applicable requirements in Subsection 9.7.6.

(See Note A-9.7.4.2.(1))

9.7.4.3. Performance Requirements

(1) Performance grades for windows, doors and skylights shall be selected according to CSAA440S1, “Canadian Supplement to AAMA/WDMA/CSA 101/I.S.2/A440-17, “North American Fenestration Standard/Specification for Windows, Doors, and Skylights” so as to be appropriate for the conditions and geographic location in which the window, door or skylight will be installed.



(2) Windows, doors and skylights shall conform to the performance grades selected under Sentence (1) when tested in accordance with AAMA/WDMA/CSA 101/I.S.2/A440, “North American Fenestration Standard/Specification for Windows, Doors, and Skylights” (Harmonized Standard).

(3) The minimum level of performance required for windows, doors and skylights shall be that of the performance Class R.

(4) Exterior wood doors shall conform to CAN/CSAO132.2 Series, “Wood Flush Doors” and shall have legibly indicated on them

- (a) The name of the manufacture
- (b) The standard to which they were produced, and
- (c) that they are of an exterior type.

SB-12 -3.1.1.10. Minimum Thermal Resistance of Doors

(1) Except as provided in Sentence (2) and except for doors in enclosed unheated vestibules and cold cellars, and except for glazed portions of doors, all doors that separate heated space from unheated space shall have a thermal resistance of not less than RSI 0.7 where a storm door is not provided.

OBJECTIVE

Performance grades for doors and sidelights shall be selected according to CSA A440SI, “Canadian Supplement to AAMA/WDMA/CSA 101/I.S.2/A440, “NAFS--North American Fenestration Standard/Specification for Windows, Doors, and Skylights” so as to be appropriate for the conditions and geographic location in which the window, door or skylight will be installed.

The minimal thermal resistance of doors must conform to the requirements set out by Subsection 3.1.1.9. of SB-12 and the maximum U-value or Minimum Temperature Index by table 9.7.3.3. in Part 9 of the Building Code for glass inserts. The intent is to limit the amount of heat transfer through assemblies which could lead to excessively low temperatures of interior surfaces and door within wall assemblies which could lead to condensation.

Any swinging doors such as a side entrance door or garage door leading into the dwelling are not exempt from complying with the same standards and regulations as the main entrance swinging door as described in Part 9 of the Building Code.