

SWINGING DOOR STANDARDS AND PERFORMANCE FOR HOUSING

ONTARIO BUILDING CODE

9.7.4.1. Application

- (1) This Subsection applies to windows, doors and skylights that are within the scope of AAMA/WDMA/CSA 101/I.S.2/A440, "NAFS--North American Fenestration Standard/Specification for Windows, Doors, and Skylight".
 - (a) The name of the manufacture
 - (b) The standard to which they were produced, and
 - (c) That they are of an exterior type.

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, "NAFS--North American Fenestration Standard/Specification for Windows, Doors, and Skylights".
 - (b) CSA A440SI, "Canadian Supplement to AAMA/WDMA/CSA 101/I.S.2/A440, "NAFS--North American Fenestration Standard/Specification for Windows, Doors, and Skylights".
 - (c) this Subsection, and
 - (d) the applicable requirements in Subsection 9.7.6.

9.7.4.3. Performance Requirements

- (1) Performance grades for windows, doors and skylights 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.
- (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, "NAFS--North American Fenestration Standard/Specification for Windows, Doors, and Skylights".
- (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/CSA-O132.2 Series, "Wood Flush Doors" and shall have legibly indicated on them,

SB-12 -2.1.1.9. Minimum Thermal Resistance of Doors

- (1) 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.