

Section 9.6. Glass

9.6.1. General

9.6.1.1. Application

- 1) This Section applies to glass, and the protection of glass, in
 - a) doors, including closet doors and sidelights for doors,
 - b) windows,
 - c) skylights as defined in Sentence 9.7.1.1.(2),
 - d) shower or bathtub enclosures, and
 - e) glazed panels and partitions.

(See Note A-9.6.1.1.)

9.6.1.2. Material Standards for Glass

- 1) Glass shall conform to
 - a) CAN/CGSB-12.1-M, “Tempered or Laminated Safety Glass,”
 - b) CAN/CGSB-12.2-M, “Flat, Clear Sheet Glass,”
 - c) CAN/CGSB-12.3-M, “Flat, Clear Float Glass,”
 - d) CAN/CGSB-12.4-M, “Heat Absorbing Glass,”
 - e) CAN/CGSB-12.8, “Insulating Glass Units,”
 - f) CAN/CGSB-12.10-M, “Glass, Light and Heat Reflecting,”
 - g) CAN/CGSB-12.11-M, “Wired Safety Glass,” or
 - h) ASTM E 2190, “Insulating Glass Unit Performance and Evaluation.”

2) Mirrored glass doors are only permitted to be used at the entrance to clothes closets and shall conform to the requirements of CAN/CGSB-82.6-M, “Doors, Mirrored Glass, Sliding or Folding, Wardrobe.”

(See Note A-9.6.1.2.(2).)

9.6.1.3. Structural Sufficiency of Glass

- 1) Except as provided in Sentence (3), glass shall be designed in conformance with
 - a) CAN/CGSB-12.20-M, “Structural Design of Glass for Buildings,” or
 - b) ASTM E 1300, “Standard Practice for Determining Load Resistance of Glass in Buildings.” (See also Article 4.3.6.1.).

2) Reserved.

3) Individual panes of glass conforming to Table 9.6.1.3. that are used in doors need not comply with Sentence (1).

Table 9.6.1.3.
Glass Area for Doors
 Forming Part of Sentence 9.6.1.3.(3)

Glass Thickness, mm	Maximum Glass Area, m ²⁽¹⁾						
	Type of Glass						
	Annealed	Annealed, Multiple-Glazed, Factory-Sealed Units	Laminated	Wired	Heat-Strengthened	Fully Tempered	Fully Tempered, Multiple-Glazed, Factory-Sealed
3	0.50	0.70	(2)	(2)	1.00	1.00	2.00
4	1.00	1.50	(2)	(2)	1.50	4.00	4.00

Table 9.6.1.3. (continued)
Glass Area for Doors
 Forming Part of Sentence 9.6.1.3.(3)

Glass Thickness, mm	Maximum Glass Area, m ² (1)						
	Type of Glass						
	Annealed	Annealed, Multiple-Glazed, Factory-Sealed Units	Laminated	Wired	Heat-Strengthened	Fully Tempered	Fully Tempered, Multiple-Glazed, Factory-Sealed
5	1.50	1.50	(2)	(2)	1.50	No limit	No limit
6	1.50	1.50	1.20	1.00	1.50	No limit	No limit

Notes to Table 9.6.1.3.:

(1) See Note A-Table 9.6.1.3.

(2) Not generally available.

9.6.1.4. Types of Glass and Protection of Glass

1) Glass sidelights greater than 500 mm wide that could be mistaken for doors, glass in storm doors and glass in sliding doors within or at every entrance to a *dwelling unit* and in public areas shall be

- a) safety glass of the tempered or laminated type conforming to CAN/CGSB-12.1-M, “Tempered or Laminated Safety Glass,” or
- b) wired glass conforming to CAN/CGSB-12.11-M, “Wired Safety Glass.”

2) Except as provided in Sentence (4), glass in entrance doors to *dwelling units* and in public areas, other than the entrance doors described in Sentence (1), shall be safety glass or wired glass of the type described in Sentence (1) where the glass area exceeds 0.5 m² and extends to less than 900 mm from the bottom of the door.

3) Except as provided in Sentence (4), transparent panels that could be mistaken as a *means of egress* shall be protected by barriers or railings.

4) Sliding glass *partitions* that separate a *public corridor* from an adjacent *occupancy* and that are open during normal working hours need not conform to Sentences (2), (3) and (5), except that such *partitions* shall be suitably marked to indicate their existence and position.

5) Except as provided in Sentence (4), every glass or transparent door accessible to the public shall be equipped with hardware, bars or other permanent fixtures designed so that the existence and position of such doors is readily apparent.

6) Glass other than safety glass shall not be used for a shower or bathtub enclosure.