



STANDARDS SPECIFICATIONS FOR THICK TEMPERED GLASS

Maximum sizes

Glass thickness	Maximum size
8mm	72" x 120"
10mm	72" x 120"
12mm	72" x 120"
15mm	72" x 120"
19mm	72" x 120"

Maximum weight

Laurier retains the right to refuse all glass above 250 pounds

Standards

All glasses comply with the following international standards :

CAN/CGSB 12.1 M
ANSI Z97 -04
16 CFR 1201 II
ASTM C-1048 04

Visual glass inspection

Below is the procedure on how tempered glasses should be inspected

- Glass must be in a vertical position
- At a distance of approximately 3 feet
- At an angle of 90 degrees
- Using daylight (without direct sunlight)

Point blemish

Size	
<1.50 mm	Allowed
≥ 1.50 et < 4.0 mm	Allowed with a minimum separation of 600 mm (24 inches)
≥ 4.0	None allowed

How to measure point blemish size ?

The size of a blemish corresponds to the average of the two following dimensions: length and width of the blemish, including distortion.

Linear blemish

Blemish length	Detection distance of 1'
< 75 mm	Allowed with a minimum separation of 1500 mm (60 inches)
≥ 75 mm	None allowed

Chips

Depth	Allowed if chip depth is ≤ 25% of glass thickness
Width	Allowed if width is ≤ to the largest of the two following measures : 25% of glass thickness or 1.6 mm
Length	Allowed if ≤ to two time the chip width

Dimensional tolerances

Thickness mm	Thickness range		Length and width ± mm	Squareness* ± mm
	Min (mm)	Max (mm)		
8.0	7.4	8.5	2.0	2.8
10.0	9.0	10.3	2.4	3.4
12.0	12.0	13.5	3.2	4.5
15.0	15.1	16.7	4.0	5.7
19.0	18.3	19.9	4.8	6.8

**To measure squareness, measure the length of both diagonals (corner to corner) ; the difference between these two measurements shall not exceed the tolerances above*

These standard specifications can be revised depending on projects realized

These specifications are based on ASTM C1036-01 standards. The ASTM C1036-01 is internationally recognized by the glass industry and the north American manufacturers of glass as a reference.

Revised October 22, 2009